



GOVERNMENT COLLEGE FOR MEN

(AUTONOMOUS)

KADAPA – 516 004

(NAAC ACCREDITED AT B- GRADE – CYCLE III)



ANNUAL TEACHING PLANS

Academic Year 2021–2022

Government College for Men (Autonomous), Kadapa

English - Teaching Plan

Paper I:A Course in Communication and Soft Skills

Year: 2021-22

Semester: I

No. of hours per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	Nov IV	4	Introduction to syllabus Importance of Listening	Lecture, CLT		
2	Dec I	4	Types of Listening , Barriers to Listening,	Lecture, CLT	Assignment	
3	Dec II	4	Effective Listening	Lecture, CLT	Listening activity	
4	Dec III	4	Sounds of English: Vowels and Consonants	Lecture, CLT	Exercises	
5	Dec IV	4	Word Accent, Intonation	Lecture, CLT		
6	Jan I	4	Concord, Modals	Lecture, CLT		
7	Jan III	4	Tenses(Present/Past/Future), 1 st Internal exams	Lecture, CLT		
8	Jan IV	4	Articles, Prepositions	Lecture, CLT		
9	Feb I	4	Question Tags, Sentence Transformation	Lecture, CLT		
10	Feb II	4	Error Correction	Lecture, CLT		
11	Feb III	4	Punctuation	Lecture, CLT		
12	Feb IV	4	Spelling, Paragraph Writing	Lecture, CLT		
13	Mar I	4	SWOC, Attitude	Lecture, CLT		
14	Mar II	4	Emotional Intelligence, Telephone Etiquette	Lecture, CLT		
15	Mar III	4	Interpersonal Skills	Lecture, CLT		
16	Mar IV	2	Revision			




PRINCIPAL
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Government College for Men (Autonomous), Kadapa

English - Teaching Plan

Paper II: A Course in Reading and Writing Skills

Year: 2021-22

No. of hours per week: 4

Semester: II

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	June II	4	Introduction to syllabus, How to Avoid Foolish Opinions by <i>Bertrand Russell</i>	Lecture	Assignment	
2	June III	4	Vocabulary: Conversion of Words, One Word Substitutes	CLT		
3	June IV	4	Collocations, The Doll's House by <i>Katherine Mansfield</i>	CLT		
4	July I	4	Ode to the West Wind By <i>P B Shelley</i>	CLT		
5	July II	4	Florence Nightingale by <i>Abrar Mohsin</i> , Skimming and Scanning	Lecture		
6	July III	4	The Night Train at Deoli by <i>Ruskin Bond</i> , Upagupta-Rabindranath Tagore	Lecture		
7	July IV	4	1 st Internal exams , Upagupta-Rabindranath Tagore	Lecture		
8	Aug I	4	Reading Comprehension	CLT		
9	Aug II	4	Note Making/Taking	Lecture		
10	Aug III	4	Coromandel Fishers by <i>Sarojini Naidu</i>	Lecture	Seminar	
11	Aug IV	4	Expansion of Ideas, Notices, Agendas and Minutes	CLT		
12	Sep I	4	2 nd Internal exams	CLT		
13	Sep II	4	An Astrologer's Day by <i>R K Narayan</i>	Lecture		
14	Sep III	4	Curriculum Vitae and Resume	CLT		
15	Sep IV	4	Letters, E-Correspondence	CLT		
16	Oct I	2	Revision			




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Government College for Men (Autonomous), Kadapa

English - Teaching Plan

Paper III: A Course in Conversational Skills

Year: 2021-22

No. of hours per week: 4

Semester: III

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	Nov IV	4	Introduction to syllabus Tryst with Destiny - Jawaharlal Nehru	Lecture	Assignment	
2	Dec I	4	Greetings, Introductions	CLT	Introduction Activity	
3	Dec II	4	Yes, We Can - Barack Obama	CLT		
4	Dec III	4	A Leader Should Know How to Manage Failure Dr.A.P.J.Abdul Kalam@India Knowledge at Wharton	Lecture		
5	Dec IV	4	Requests, Nelson Mandela's Interview With Larry King	Lecture, CLT	Assignment	
6	Jan I	4	Asking and Giving Information, Agreeing and Disagreeing	CLT		
7	Jan III	4	1 st Internal exams	Lecture, CLT		
8	Jan IV	4	JRD Tata's Interview With T.N.Ninan	CLT	Seminar	
9	Feb I	4	Dialogue Building	CLT		
10	Feb II	4	Giving Instructions/Directions	Lecture, CLT		
11	Feb III	4	You've Got to Find What You Love - Steve Jobs	CLT		
12	Feb IV	4	Debates, 2 nd Internal exams	CLT		
13	Mar I	4	Debates	Lecture		
14	Mar II	4	Descriptions	Lecture, CLT		
15	Mar III	4	Role Plays	Lecture, CLT	Role Play Activity	
16	Mar IV	2	Revision			




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GOVERNMENT COLLEGE FOR MEN,KADAPA(AUTONOMOUS) DEPARTMENT OF TELUGU YEAR:2021-2022

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM SEMESTER- 1

NO. HRS/WEEK:04 ప్రాచీన కవిత్వం- ఆధునిక కవిత్వం, కథానికలు మరియు వ్యాకరణం Total Hours/Credits: 3Credits-60 periods

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	June	4 th	04	యునిట్-1. రాజనీతి - నన్నయ	ఉపన్యాస	అసైన్మెంట్
2	July	1 st	04	యునిట్-1. రాజనీతి - నన్నయ	ఉపన్యాస	పద్యపఠనం
3		2 nd	04	యునిట్-1. రాజనీతి - నన్నయ	ఉపన్యాస	సెమినార్
4		3 rd	04	యునిట్-2. దక్షయజ్ఞం- నన్నెచోడుడు	ఉపన్యాస	
5		4 th	04	యునిట్-2. దక్షయజ్ఞం- నన్నెచోడుడు	చర్చ-వివరణ	
6	August	1 st	04	యునిట్-3.ధౌమ్య ధర్మోపదేశం-తిక్కన	వివరణ	పద్యపఠనం
7		2 nd	04	యునిట్-3.ధౌమ్య ధర్మోపదేశం-తిక్కన	ఉపన్యాస	క్విజ్
8		3 rd	04	యునిట్-3.ధౌమ్య ధర్మోపదేశం-తిక్కన	ఉపన్యాస	అసైన్మెంట్
9		4 th	04	యునిట్-4. పల్నాటి బెబ్బులి- శ్రీనాథుడు	ఉపన్యాస	మాతృభాషాదినోత్సవం
10	September	1 st	04	యునిట్-4. పల్నాటి బెబ్బులి- శ్రీనాథుడు	ఉపన్యాస	
11		2 nd	04	యునిట్-5 సీతారావణ సంవాదం- మొల్ల	ఉపన్యాస	గురజాడ జయంతి
12		3 rd	04	యునిట్-5 సీతారావణ సంవాదం- మొల్ల	వివరణ	సెమినార్
13		4 th	04	వ్యాకరణం-సంధులు, సమాసాలు	సమగ్ర వివరణ	క్షేత్రపర్యటన
14	October	1 st	04	వ్యాకరణం- అలంకారాలు (శబ్దలంకారాలు, అర్థాలంకారాలు)	సమగ్ర వివరణ	
15		2 nd	04	వ్యాకరణం-ఛందస్సు (వృత్తాలు, జాతులు, ఉపజాతులు)	సమగ్ర వివరణ	



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DEPARTMENT OF TELUGU . YEAR: 2021-2022

GOVERNMENT COLLEGE FOR MEN,KADAPA(AUTONOMOUS)

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM SEMESTER- 2

NO. HRS/WEEK:04 ఆధునిక కవిత్వం,కథానిక, నవల,నాటకం మరియు విమర్శ Total Hours/Credits: 3 Credits-60 periods

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	November	4 th	04	ఆధునిక కవిత్వం-పరిచయం	చర్చ-వివరణ	అసైన్మెంట్
2	December	1 st	04	కొండవీడు- దువ్వూరి రామిరెడ్డి	ఉపన్యాస	పద్యపఠనం
3		2 nd	04	మాతృ సంగీతం - అనిసెట్టి సుబ్బారావు	ఉపన్యాస	సెమినార్
4		3 rd	04	తాతకో నూలుపోగు- బండారు ప్రసాదమూర్తి	ఉపన్యాస	
5		4 th	04	తెలుగు కథానిక -పరిచయం	చర్చ-వివరణ	
6	January	1 st	04	భయం- కాళీపట్నం రామారావు.	విశ్లేషణ	పద్యపఠనం
7		2 nd	04	స్వేదం ఖరీదు- రెంటాల నాగేశ్వరరావు	విశ్లేషణ	క్విజ్
8		3 rd	04	తెలుగు నవల-పరిచయం	చర్చ-వివరణ	అసైన్మెంట్
9		4 th	04	రథచక్రాలు-(నవల) మహిధర్ రామ్మోహనరావు	పరిచయం	మాతృభాషాదినోత్సవం
10	February	1 st	04	రథచక్రాలు-సమీక్ష - డా॥ యల్లాప్రగడ మల్లిఖార్జునరావు	ఉపన్యాస	
11		2 nd	04	తెలుగు నాటకం -పరిచయం	వివరణ	గురజాడ జయంతి
12		3 rd	04	యక్షగానం- యం.వి.యస్. హరనాథరావు	వివరణ	సెమినార్
13		4 th	04	అపురూప కళారూపాల విధ్వంస దృశ్యం 'యక్షగానం'	ఉపన్యాస	క్షేత్రపర్యటన
14	March	1 st	04	తెలుగు సాహిత్య విమర్శ -డా॥ నాగభైరవ ఆదినారాయణ	సమగ్ర వివరణ	
15		2 nd	04	విమర్శ స్వరూప స్వభావాలు: ఉత్తమ విమర్శకుడు- లక్ష్మణాలు	సమగ్ర వివరణ	



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DEPARTMENT OF TELUGU . YEAR: 2021-2022

GOVERNMENT COLLEGE FOR MEN,KADAPA(AUTONOMOUS)

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM SEMESTER- 3

NO. HRS/WEEK:04 సృజనాత్మక రచన Total Hours/Credits: 3 Credits-60 periods

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	November	4 th	04	యూనిట్-1 వ్యక్తీకరణ నైపుణ్యాలు . 1.	చర్చ-వివరణ	అసైన్మెంట్
2	December	1 st	04	కొండవీడు- దువ్వూరి రామిరెడ్డి	ఉపన్యాస	పద్యపఠనం
3		2 nd	04	మాతృ సంగీతం - అనిసెట్టి సుబ్బారావు	ఉపన్యాస	సెమినార్
4		3 rd	04	తాతకో నూలుపోగు- బండారు ప్రసాదమూర్తి	ఉపన్యాస	
5		4 th	04	తెలుగు కథానిక -పరిచయం	చర్చ-వివరణ	
6	January	1 st	04	భయం- కాళీపట్నం రామారావు.	విశ్లేషణ	పద్యపఠనం
7		2 nd	04	స్వేదం ఖరీదు- రెంటాల నాగేశ్వరరావు	విశ్లేషణ	క్విజ్
8		3 rd	04	తెలుగు నవల-పరిచయం	చర్చ-వివరణ	అసైన్మెంట్
9		4 th	04	రథచక్రాలు-(నవల) మహిధర్ రామ్మోహనరావు	పరిచయం	మాతృభాషాదినోత్సవం
10	February	1 st	04	రథచక్రాలు-సమీక్ష - డా॥ యల్లాప్రగడ మల్లిఖార్జునరావు	ఉపన్యాస	
11		2 nd	04	తెలుగు నాటకం -పరిచయం	వివరణ	గురజాడ జయంతి
12		3 rd	04	యక్షగానం- యం.వి.యస్. హరనాథరావు	వివరణ	సెమినార్
13		4 th	04	అపురూప కళారూపాల విధ్వంస దృశ్యం‘ యక్షగానం’	ఉపన్యాస	క్షేత్రపర్యటన
14	March	1 st	04	తెలుగు సాహిత్య విమర్శ -డా॥ నాగభైరవ ఆదినారాయణ	సమగ్ర వివరణ	
15		2 nd	04	విమర్శ స్వరూప స్వభావాలు: ఉత్తమ విమర్శకుడు- లక్షణాలు	సమగ్ర వివరణ	

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GOVERNMENT COLLEGE FOR MEN,KADAPA(AUTONOMOUS)

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM SEMESTER- 1

NO. HRS/WEEK:04

ప్రాచీన కవిత్వం (స్పెషల్ తెలుగు)

Total Hours/Credits: 3 Credits-75 periods

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	June	4 th	06	యునిట్-1. బెజ్జమహాదేవి కథ-పాల్కురికి సోమన	ఉపన్యాస	అసైన్మెంట్
2	July	1 st	06	యునిట్-1. బెజ్జమహాదేవి కథ-పాల్కురికి సోమన	ఉపన్యాస	పద్యపఠనం
3		2 nd	06	యునిట్-1. బెజ్జమహాదేవి కథ-పాల్కురికి సోమన	ఉపన్యాస	సెమినార్
4		3 rd	06	యునిట్-2. నాడీజంఘోపాఖ్యానం- తిక్కన	ఉపన్యాస	
5		4 th	06	యునిట్-2. నాడీజంఘోపాఖ్యానం- తిక్కన	వివరణ	
6	August	1 st	06	యునిట్-2. నాడీజంఘోపాఖ్యానం- తిక్కన	వివరణ	పద్యపఠనం
7		2 nd	06	యునిట్-3. ప్రహ్లాద చరిత్రం- బమ్మెర పోతన	ఉపన్యాస	క్విజ్
8		3 rd	06	యునిట్-3. ప్రహ్లాద చరిత్రం- బమ్మెర పోతన	ఉపన్యాస	అసైన్మెంట్
9		4 th	06	యునిట్-3. ప్రహ్లాద చరిత్రం- బమ్మెర పోతన	ఉపన్యాస	మాతృభాషాదినోత్సవం
10	September	1 st	06	యునిట్-4. వరూధినీ ప్రవరులు -అల్లసాని పెద్దన	ఉపన్యాస	
11		2 nd	06	యునిట్-4. వరూధినీ ప్రవరులు -అల్లసాని పెద్దన	ఉపన్యాస	గురజాడ జయంతి
12		3 rd	06	యునిట్-4. వరూధినీ ప్రవరులు -అల్లసాని పెద్దన	వివరణ	సెమినార్
13		4 th	06	యునిట్-5. అశోక వనంలో జానకి- మొల్ల	సమగ్ర వివరణ	క్షేత్రపర్యటన

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GOVERNMENT COLLEGE FOR MEN,KADAPA(AUTONOMOUS)

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM SEMESTER- 2

NO. HRS/WEEK:04

ప్రాచీన కవిత్వం (స్పెషల్ తెలుగు)

Total Hours/Credits: 3 Credits-75 periods

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	November	4 th	06	యూనిట్-1. జన్మభూమి (గేయం) రాయప్రోలు సుబ్బారావు	ఉపన్యాస	అసైన్మెంట్
2	December	1 st	06	యూనిట్-1. జన్మభూమి (గేయం) రాయప్రోలు సుబ్బారావు	ఉపన్యాస	పద్యపఠనం
3		2 nd	06	యూనిట్-2. వేమన నీతి- వేమన పద్యాల	చర్చ-వివరణ	సెమినార్
4		3 rd	06	యూనిట్-2. వేమన నీతి- వేమన పద్యాల	విశ్లేషణ	
5		4 th	06	యూనిట్-2. వేమన నీతి- వేమన పద్యాల	వివరణ	
6	January	1 st	06	యూనిట్-3 గబ్బిలం- గుర్రం జాషువా	వివరణ	పద్యపఠనం
7		2 nd	06	యూనిట్-3 గబ్బిలం- గుర్రం జాషువా	ఉపన్యాస	క్విజ్
8		3 rd	06	యూనిట్-3 గబ్బిలం- గుర్రం జాషువా	ఉపన్యాస	అసైన్మెంట్
9		4 th	06	యూనిట్-4. భిక్షవర్షియసీ - శ్రీరంగం శ్రీనివాసరావు	ఉపన్యాస	మాతృభాషాదినోత్సవం
10	February	1 st	06	యూనిట్-4. భిక్షవర్షియసీ - శ్రీరంగం శ్రీనివాసరావు	వివరణ	కవితా పఠనం
11		2 nd	06	యూనిట్-5. అమృతం కురిసిన రాత్రి- బాలగంగాధర తిలక్	వివరణ	గురజాడ జయంతి
12		3 rd	06	యూనిట్-5. అమృతం కురిసిన రాత్రి- బాలగంగాధర తిలక్	వివరణ	సెమినార్
13		4 th	06	యూనిట్-5. అమృతం కురిసిన రాత్రి- బాలగంగాధర తిలక్	సమగ్ర వివరణ	క్షేత్రపర్యటన

GOVERNMENT COLLEGE FOR MEN,KADAPA(AUTONOMOUS)

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM YEAR: 2021-2022

Subject:- Special Telugu II YEAR SEMESTER- 3 NAME OF THE MODULE: ప్రాచీన తెలుగు సాహిత్య చరిత్ర

NO. HOURS/WEEK:06 Total Hours/Credits: / 4Credits(90 periods)

S. No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY	REMARKS
1	June	3 rd	06	1.ప్రాజ్ఞన్నయ యుగము-సాహిత్య వికాసము	ఉపన్యాస		
2		4 th	06	1.ప్రాజ్ఞన్నయ యుగము-సాహిత్య వికాసము	ఉపన్యాస	అసైన్మెంట్	
3	July	1 st	06	2.శివకవి యుగము - సాహిత్య వికాసము	ఉపన్యాస	పద్యపఠనం	
4		2 nd	06	2.శివకవి యుగము - సాహిత్య వికాసము	ఉపన్యాస	సెమినార్	
5		3 rd	06	3.కవిత్రయ యుగము-(నన్నయ,తిక్కన,ఎఱ్ఱన)సాహిత్య వికాసము	ఉపన్యాస		
6		4 th	06	3.కవిత్రయ యుగము-(నన్నయ,తిక్కన,ఎఱ్ఱన)సాహిత్య వికాసము	చర్చ-వివరణ	గ్రూప్ డిస్కషన్	
7	August	1 st	06	3.కవిత్రయ యుగము-(నన్నయ,తిక్కన,ఎఱ్ఱన)సాహిత్య వికాసము	వివరణ		
8		2 nd	06	4.శ్రీనాథకవి యుగము- భక్తకవి పోతన సమకాలికులు	వివరణ	క్విజ్	
9		3 rd	06	4.శ్రీనాథకవి యుగము- భక్తకవి పోతన సమకాలికులు	ఉపన్యాస	అసైన్మెంట్	
10		4 th	06	పదసాహిత్యం-అన్నమయ్య- క్షేత్రయ్య, త్యాగయ్య. కంచెర్ల గోపన్న	ఉపన్యాస	మాతృభాషాదినోత్సవం	
11	September	1 st	06	పదసాహిత్యం-అన్నమయ్య- క్షేత్రయ్య, త్యాగయ్య. కంచెర్ల గోపన్న	ఉపన్యాస	పద్యపఠనం	
12		2 nd	06	ప్రబంధ యుగము- సాహిత్య వికాసము	ఉపన్యాస	గురజాడ జయంతి	
13		3 rd	06	ప్రబంధ యుగము- సాహిత్య వికాసము	వివరణ	సెమినార్	
14		4 th	06	ప్రబంధ యుగము- సాహిత్య వికాసము	వివరణ	క్షేత్రపర్యటన	
15	October	1 st	06	ప్రబంధ యుగము- సాహిత్య వికాసము	వివరణ		



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GOVERNMENT COLLEGE FOR MEN,KADAPA(AUTONOMOUS) BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM

YEAR: 2021-2022Subject:- Special Telugu II YEAR SEMESTER- 4

NAMEOFTHEMODULE: : ఆధునిక తెలుగు సాహిత్య చరిత్ర- అవిర్భావ వికాసాలు

NO. HOURS/WEEK:06

Total Hours/Credits: / 4Credets(90 periods)

S. No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY	REMARKS
1	November	3 rd	06	1.నాయకరాజుల పాలనలో సాహిత్యం- యక్షగానాలు, వచనకావ్యాలు, శతకాలు	ఉపన్యాస		
2		4 th	06	1.నాయకరాజుల పాలనలో సాహిత్యం- యక్షగానాలు, వచనకావ్యాలు, శతకాలు	ఉపన్యాస	అ సైన్ మెంట్	
3	December	1 st	06	1.నాయకరాజుల పాలనలో సాహిత్యం- యక్షగానాలు, వచనకావ్యాలు, శతకాలు	ఉపన్యాస	పద్యపఠనం	
4		2 nd	06	2 ఆధునిక కవిత్వం- గురజాడ, కృష్ణశాస్త్రి, జాషువ - శ్రీ శ్రీ,కందుకూరి,సి,నా,రె	ఉపన్యాస	సెమినార్	
5		3 rd	06	2 ఆధునిక కవిత్వం- గురజాడ, కృష్ణశాస్త్రి, జాషువ - శ్రీ శ్రీ,కందుకూరి,సి,నా,రె	ఉపన్యాస		
6		4 th	06	2 ఆధునిక కవిత్వం- గురజాడ, కృష్ణశాస్త్రి, జాషువ - శ్రీ శ్రీ,కందుకూరి,సి,నా,రె	చర్చ-వివరణ	గ్రూప్ డిస్కషన్	
7	January	1 st	06	3.ఆధునిక నవల -కందుకూరి, ఉన్నవ, విశ్వనాథ, కొడవటిగంటి, రంగనాయకమ్మ	వివరణ		
8		2 nd	06	3.ఆధునిక నవల -కందుకూరి, ఉన్నవ, విశ్వనాథ, కొడవటిగంటి, రంగనాయకమ్మ	వివరణ	క్విజ్	
9		3 rd	06	3.ఆధునిక నవల -కందుకూరి, ఉన్నవ, విశ్వనాథ, కొడవటిగంటి, రంగనాయకమ్మ	చర్చ-వివరణ	అ సైన్ మెంట్	
10		4 th	06	4.నాటకసాహిత్యం-ధర్మవరం, వేదం.కోలాచలం,అత్రేయ, తిరుపతి వేంకటకవులు	చర్చ-వివరణ		
11	February	1 st	06	4.నాటకసాహిత్యం-ధర్మవరం, వేదం.కోలాచలం,అత్రేయ, తిరుపతి వేంకటకవులు	ఉపన్యాస	పద్యపఠనం	
12		2 nd	06	4.నాటకసాహిత్యం-ధర్మవరం, వేదం.కోలాచలం,అత్రేయ, తిరుపతి వేంకటకవులు	ఉపన్యాస		
13		3 rd	06	5కథ-కథానిక-శ్రీపాద,చలం, కనుపర్తి,మధురాంతకం.చా.సో, కేతు, సింగమనేని, కా.రా.మొ	వివరణ	సెమినార్	
14		4 th	06	5కథ-కథానిక-శ్రీపాద,చలం, కనుపర్తి,మధురాంతకం.చా.సో, కేతు, సింగమనేని, కా.రా.మొ	వివరణ	అంతర్జాతీయ మాతృ బాషాదినోత్సవం	
15	March	1 st	06	5కథ-కథానిక-శ్రీపాద,చలం, కనుపర్తి,మధురాంతకం.చా.సో, కేతు, సింగమనేని, కా.రా.మొ	వివరణ		




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BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS S

DEPARTMENT OF TELUGU

YEAR: 2021-2022 SEMESTER- 5

subject : special Telugu III year

paper 5: ఆంధ్రభాషా చరిత్ర

S.N O	MONTH	WEEK	NO.OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
1	JUNE	3 RD	05	ఆంధ్రము-తెనుగు-తెలుగు శబ్దాల వ్యుత్పత్తి,జాతి,దేశభాషా వాచకంగా	ఉపన్యాస		
2		4 TH	05	ఆంధ్రము-తెనుగు-తెలుగు శబ్దాల వ్యుత్పత్తి,జాతి,దేశభాషా వాచకంగా	ఉపన్యాస	అసైన్మెంట్	
3	JULY	1 ST	05	భారతదేశంలోని భాషాకుటుంబాలు -విభజన	ఉపన్యాస	పద్యపఠనం	
4		2 ND	05	భారతదేశంలోని భాషాకుటుంబాలు -విభజన	ఉపన్యాస	సెమినార్	
5		3 RD	05	ధ్వని పరిణామం-(వర్ణ సమీకరణం,వర్ణవిభేదం,వర్ణవ్యత్యబం మొ॥నవి)	ఉపన్యాస		
		4 TH	05	ధ్వని పరిణామం-(వర్ణ సమీకరణం,వర్ణవిభేదం,వర్ణవ్యత్యబం మొ॥నవి)	చర్చ-వివరణ	గ్రూప్ డిస్కషన్	
	AUGUST	1 ST	05	అర్థ పరిణామం-(అర్థ సంకోచం,అర్థవ్యాకోచం, సభ్యోక్తి, అర్థగ్రామ్యత మొ॥	వివరణ		
		2 ND	05	అర్థ పరిణామం-(అర్థ సంకోచం,అర్థవ్యాకోచం, సభ్యోక్తి, అర్థగ్రామ్యత మొ॥	వివరణ	క్విజ్	
		3 RD	05	తెలుగులో మాండలిక విజ్ఞానం	ఉపన్యాస	అసైన్మెంట్	
		4 TH	05	తెలుగులో మాండలిక విజ్ఞానం	ఉపన్యాస	మాతృభాషా దినోత్సవం	
	September	1 ST	05	అన్యదేశాలు -తెలుగులో అన్యదేశాలు	ఉపన్యాస	పద్యపఠనం	
		2 ND	05	అన్యదేశాలు -తెలుగులో అన్యదేశాలు	ఉపన్యాస	గురజాడ జయంతి	
		3 RD	05	ఆదాన ప్రదానాలు	వివరణ	సెమినార్	
		4 TH	05	పదం- పదాంశ విజ్ఞానం	వివరణ	క్షేత్రపర్యటన	
	October	1 st	05	భాషా శాస్త్రవేత్తలు-పరిచయం.	వివరణ		



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YEAR: 2021-2022

Subject:- Special Telugu III YEAR

SEMESTER- 5 , PAPER-6

NAME OF THE MODULE: : బాలవ్యాకరణం-ఛందస్సు మరియు అలంకారాలు

NO. HOURS/WEEK:06

Total Hours/Credits: / 4Credits(75 periods)

S. No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY	Remarks
1	November	3 rd	06	బాలవ్యాకరణం-1సంజ్ఞా పరిచ్ఛేదం(సూత్రవ్యాఖానం,పారిభాషిక పదాలు)	ఉపన్యాస		
2		4 th	06	బాలవ్యాకరణం-1సంజ్ఞా పరిచ్ఛేదం(సూత్రవ్యాఖానం,పారిభాషిక పదాలు)	ఉపన్యాస	అసైన్మెంట్	
3	December	1 st	06	బాలవ్యాకరణం-1సంజ్ఞా పరిచ్ఛేదం(సూత్రవ్యాఖానం,పారిభాషిక పదాలు)	ఉపన్యాస	పద్యపఠనం	
4		2 nd	06	బాలవ్యాకరణం-2.సంధి పరిచ్ఛేదం(సూత్రవ్యాఖానం,పారిభాషిక పదాలు)	ఉపన్యాస	సెమినార్	
5		3 rd	06	బాలవ్యాకరణం-2.సంధి పరిచ్ఛేదం(సూత్రవ్యాఖానం,పారిభాషిక పదాలు)	ఉపన్యాస		
6		4 th	06	బాలవ్యాకరణం-2.సంధి పరిచ్ఛేదం(సూత్రవ్యాఖానం,పారిభాషిక పదాలు)	చర్చ-వివరణ	గ్రూప్ డిస్కషన్	
7	January	1 st	06	బాలవ్యాకరణం-2.సంధి పరిచ్ఛేదం(సూత్రవ్యాఖానం,పారిభాషిక పదాలు)	వివరణ		
8		2 nd	06	బాలవ్యాకరణం-3. సంధిపరిచ్ఛేదం(రూపసాధనలు)	వివరణ	క్విజ్	
9		3 rd	06	బాలవ్యాకరణం-3. సంధిపరిచ్ఛేదం(రూపసాధనలు)	చర్చ-వివరణ	అసైన్మెంట్	
10		4 th	06	బాలవ్యాకరణం-4.సమాసపరిచ్ఛేదం(సూత్రవ్యాఖానం,పారిభాషిక పదాలు)	చర్చ-వివరణ		
11	February	1 st	06	బాలవ్యాకరణం-4.సమాసపరిచ్ఛేదం(సూత్రవ్యాఖానం,పారిభాషిక పదాలు)	ఉపన్యాస	పద్యపఠనం	
12		2 nd	06	బాలవ్యాకరణం-4.సమాసపరిచ్ఛేదం(సూత్రవ్యాఖానం,పారిభాషిక పదాలు)	ఉపన్యాస		
13		3 rd	06	బాలవ్యాకరణం-5.సమాసపరిచ్ఛేదం(రూపసాధనలు)	వివరణ	సెమినార్	
14		4 th	06	వ్యాకరణం:-ఛందస్సు	వివరణ	అంతర్జాతీయ మాతృ బాషాదినోత్సవం	



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GOVERNMENT COLLEGE FOR MEN,KADAPA(AUTONOMOUS) BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM

DEPARTMENT OF TELUGU

YEAR: 2021-2022

SEMESTER- 6

subject : special Telugu III year

paper -7(ఎలక్టివ్-1): అలంకార శాస్త్రం

S.N O	MONTH	WEEK	NO.OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
1	నవంబర్	3 RD	05	కవి కావ్యము, నిర్వచనాలు-భారతీయ అలంకారికులు, తెలుగు అలంకారికులు.	ఉపన్యాస		
		4 TH	05	కవి కావ్యము, నిర్వచనాలు-భారతీయ అలంకారికులు, తెలుగు అలంకారికులు	ఉపన్యాస	అసైన్మెంట్	
2	డిసెంబర్	1 ST	05	కవి కావ్యము, నిర్వచనాలు-భారతీయ అలంకారికులు, తెలుగు అలంకారికులు	ఉపన్యాస	పద్యపఠనం	
		2 ND	05	కావ్య భేదాలు, కావ్య పేతువులు	ఉపన్యాస	సెమినార్	
		3 RD	05	కావ్య భేదాలు, కావ్య పేతువులు	ఉపన్యాస		
		4 TH	05	కావ్య భేదాలు, కావ్య పేతువులు	చర్చ-వివరణ	గ్రూప్ డిస్కషన్	
3	జనవరి	1 ST	05	రస నిర్వచనం, (విభావ, అనుభావ, సాత్విక, సంచారిభావాలు)	వివరణ		
		2 ND	05	రస నిర్వచనం, (విభావ, అనుభావ, సాత్విక, సంచారిభావాలు)	వివరణ	క్విజ్	
		3 RD	05	రసము- యన్నిష్ఠము	ఉపన్యాస	అసైన్మెంట్	
		4 TH	05	రసము-రసభేదాలు	ఉపన్యాస	మాతృభాషాదినోత్సవం	
4	ఫిబ్రవరి.	1 ST	05	ధ్వని నిర్వచనము, ధ్వని సిద్ధాంతాలు	ఉపన్యాస	పద్యపఠనం	
		2 ND	05	ధ్వని నిర్వచనము, ధ్వని సిద్ధాంతాలు	ఉపన్యాస	గురజాడ జయంతి	
		3 RD	05	ధ్వని భేదాలు (అభిధ, లక్షణ ,వ్యంజన	వివరణ	సెమినార్	
		4 TH	05	దృశ్య- శ్రవ్య కళలు	వివరణ	క్షేత్రపర్యటన	
5	మార్చి	1 st	05	లలిత కళల్లో కవిత్వ స్థానం	వివరణ		

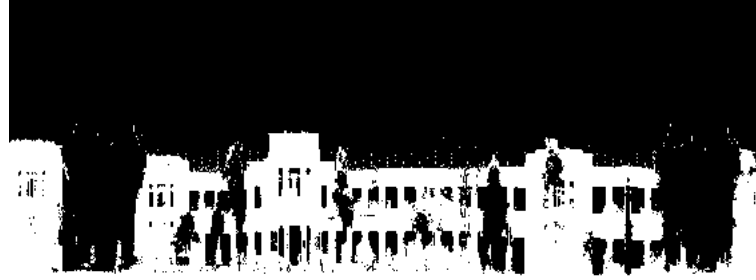



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Department of Urdu



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شعبہ اردو

Annual Academic Plan for the Academic Year 2021-22

Sub: Part-I(B) : Urdu Gen. | Part-II : Core Subject : Urdu Spl



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ANNUAL CURRICULAR PLAN [CBCS]

Academic Year 2021-22

Part-I(B) : URDU GEN.

Paper-I : URDU Gen. [Course Code: 1005]

Sem I : Paper I : Sheri Asnaf-1 : Course Code-1005 : Hours/Week : 4 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Nov. 2021	I	4 Hours	اکائی اول-نصاب کا تعارف-صنف غزل-فن اور تکنیک	تدریس و تفہیم	نوٹس	
Dec	II	4 Hours	اردو غزل کا آغاز و ارتقا	تدریس و تفہیم	نوٹس	
Dec	III	4 Hours	صنف نظم-فن اور تکنیک	تدریس و تفہیم	مباحثہ	
Dec	IV	4 Hours	اردو نظم کا آغاز و ارتقا	تدریس و تفہیم	تفویضی کام	
Dec	V	4 Hours	غزل: آج کی رین مجھ کو خواب نہ تھا-ولی دکنی-شاعر کا تعارف، غزل کا مطالعہ، تشریح	مطالعہ، تفہیم و تشریح	کلاس روم سیمینار	
Jan. 2022	VI	4 Hours	نظم: کل جگ-نظیر اکبر آبادی-شاعر کا تعارف، نظم کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Jan	VII	4 Hours	اکائی دوم-غزل: راہ دور عشق میں روتا ہے کیا-میر-شاعر کا تعارف، غزل کا مطالعہ، تشریح	مطالعہ، تفہیم و تشریح	نوٹس	
Jan	VIII	4 Hours	نظم: نصیحت اخلاقی-نظیر اکبر آبادی-شاعر کا تعارف، نظم کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	Internals-1
Feb	IX	4 Hours	اکائی سوم-غزل: درد منّت کش دوانہ ہوا-غالب-شاعر کا تعارف، غزل کا مطالعہ، تشریح	مطالعہ، تفہیم و تشریح	مباحثہ	
Feb	X	4 Hours	نظم: چاند اور تارے-علامہ اقبال-شاعر کا تعارف، نظم کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	
Feb	XI	4 Hours	اکائی چہارم-غزل: دنیا میں آدمی کو..... داغ-شاعر کا تعارف، غزل کا مطالعہ، تشریح	مطالعہ، تفہیم و تشریح	تفہیم، نوٹس	
Feb	XII	4 Hours	نظم: لوح و قلم-فیض احمد فیض-شاعر کا تعارف، نظم کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Mar	XIII	4 Hours	اکائی پنجم-غزل: وہ ادائے دل بری ہو..... جگر-شاعر کا تعارف، غزل کا مطالعہ، تشریح	مطالعہ، تفہیم و تشریح	تفہیم، نوٹس	Internals-2
Mar	XIV	4 Hours	نظم: قبر-اختر الایمان-شاعر کا تعارف، نظم کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	
Mar. 2022	XV	4 Hours	اکائی اول-تا-اکائی پنجم: اہم نکات کا اعادہ	تدریس و تفہیم	تفہیم	End Exams



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ANNUAL CURRICULAR PLAN [CBCS]

Academic Year 2021-22

Part-I(B) : URDU GEN.

Paper-II : URDU Gen. [Course Code: 2005]

Sem II : Paper II : Sheri Asnaf-2 : Course Code- 2005 : Hours/Week : 4 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Jun. 2022	I	4 Hours	اکائی اول-نصاب کا تعارف-صنف مثنوی-فن اور تکنیک	تدریس و تفہیم	اہم نکات، نوٹس	
Jun	II	4 Hours	اردو مثنوی کا آغاز و ارتقا	تدریس و تفہیم	اہم نکات، نوٹس	
Jun	III	4 Hours	مثنوی: سحر البیان (منتخب حصہ)-میر حسن-شاعر کا تعارف، مثنوی کا مطالعہ خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Jul	IV	4 Hours	اکائی دوم-صنف مرثیہ-فن اور تکنیک	تدریس و تفہیم	تفویضی کام	Internals-1
Jul	V	4 Hours	اردو مرثیہ کا آغاز و ارتقا	تدریس و تفہیم	کلاس روم سیمینار	
Jul	VI	4 Hours	مرثیہ: جب قطع کی..... (منتخب بند)-میر انیس-شاعر کا تعارف، مرثیہ کا مطالعہ خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Jul	VII	4 Hours	اکائی سوم-صنف قصیدہ-فن اور تکنیک	تدریس و تفہیم	نوٹس	
Aug	VIII	4 Hours	اردو قصیدہ کا آغاز و ارتقا	تدریس و تفہیم	نوٹس	
Aug	IX	4 Hours	قصیدہ: ہیں مری آنکھوں میں..... (منتخب اشعار)-ذوق شاعر کا تعارف، قصیدے کا مطالعہ خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Aug	X	4 Hours	اکائی چہارم-صنف رباعی-فن اور تکنیک-اردو میں رباعی گوئی	تدریس و تفہیم	نوٹس	
Aug	XI	4 Hours	منتخب رباعیات-امجد حیدر آبادی-شاعر کا تعارف، رباعیات کا مطالعہ، تفہیم و تشریح	مطالعہ، تفہیم، تشریح	نوٹس	Internals-2
Sep	XII	4 Hours	منتخب رباعیات-ساغر جیدی-شاعر کا تعارف، رباعیات کا مطالعہ، تفہیم و تشریح	مطالعہ، تفہیم، تشریح	مباحثہ	
Sep	XIII	4 Hours	اکائی پنجم-نظم: میرا پوتا-معین نظامی-شاعر کا تعارف، نظم کا مطالعہ خلاصہ	مطالعہ، تفہیم، خلاصہ		
Sep	XIV	4 Hours	غزل: مجھے کیا معلوم-صدیق قیس قمرنگری-شاعر کا تعارف-غزل کا مطالعہ، تفہیم و تشریح	مطالعہ، تفہیم، تشریح		
Sep. 2022	XV	4 Hours	اکائی اول-تا-اکائی پنجم: اہم نکات کا اعادہ	تدریس و تفہیم		End Exams



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ANNUAL CURRICULAR PLAN [CBCS]

Academic Year 2021-22

Part-I(B) : URDU GEN.

Paper-III : URDU Gen. [Course Code: 3005]

Sem III : Paper III : Nasr Aur Shayeri : Course Code- 3005 : Hours/Week : 4 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Nov. 2021	I	4 Hours	اکائی اول- داستان: صنف داستان کا تعارف: میرامن دہلوی، سوانحی خاکہ	تدریس	تفہیم، نوٹس	
Dec	II	4 Hours	باغ و بہار: آغاز قصہ کا منتخب حصہ: مطالعہ خلاصہ	مطالعہ	تفہیم	
Dec	III	4 Hours	متن کے حوالے: اہم نکات کا اعادہ	تدریس، اہم نکات	مباحثہ	
Dec	IV	4 Hours	اکائی دوم- خطوط غالب: غالب کی مراسلہ نگاری، تعارف: مرزا غالب، سوانحی خاکہ	تدریس	تفویضی کام	
Dec	V	4 Hours	مراسلہ بنام میر مہدی مجروح: مطالعہ خلاصہ	مطالعہ	کلاس روم سیمینار	
Jan. 2022	VI	4 Hours	متن کے حوالے: اہم نکات کا اعادہ	تدریس، اہم نکات	مباحثہ	
Jan	VII	4 Hours	اکائی سوم- مثنوی: مثنوی پھول بن، تعارف: ابن نشاطی، سوانحی خاکہ	تدریس	تفہیم، نوٹس	
Jan	VIII	4 Hours	مثنوی: پھول بن، آغاز داستان، ابتدائی اکیس اشعار: مطالعہ خلاصہ	مطالعہ	تفہیم، نوٹس	Internals-1
Feb	IX	4 Hours	متن کے حوالے: اہم نکات کا اعادہ	اہم نکات پر تبادلہ خیال	مباحثہ	
Feb	X	4 Hours	اکائی چہارم- مرثیہ: صنف مرثیہ کا تعارف: میر انیس، سوانحی خاکہ	تدریس	تفہیم، نوٹس	
Feb	XI	4 Hours	مرثیہ: جب قطع کی مسافت شب آفتاب نے، ابتدائی چھ بند: مطالعہ، تفہیم، خلاصہ	تدریس، تشریح	تفہیم	
Feb	XII	4 Hours	اکائی پنجم- صنف رباعی فن اور تکنیک، اردو میں رباعی گوئی، رباعی گوشعرا	تدریس، تشریح	مباحثہ	
Mar	XIII	4 Hours	امجد حیدر آبادی: شاعر کا تعارف: مشمولہ نصاب رباعی کا مطالعہ، تفہیم و تشریح	تدریس	تفویضی کام	Internals-2
Mar	XIV	4 Hours	ساغر جیدی: شاعر کا تعارف: مشمولہ نصاب رباعی کا مطالعہ، تفہیم و تشریح	تدریس	کلاس روم سیمینار	
Mar. 2022	XV	4 Hours	اکائی اول- تا- اکائی پنجم: اہم نکات کا اعادہ	تدریس، تبادلہ خیال	پچھلے اسباق کا اعادہ	End Exams



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ANNUAL CURRICULAR PLAN [CBCS]

Academic Year 2021-22

Part-II : Core Subject : URDU Spl.

Paper-I : URDU Spl. [Course Code: 1106]

Sem I : Paper I : Nasri Asnaf-1 : Course Code-1106 : Hours/Week : 6 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Nov. 2021	I	6 Hours	اکائی اول-نصاب کا تعارف-افسانوی نثر-صنف ناول-تعارف-ناول کے اجزا	تدریس و تفہیم	نوٹس	
Dec	II	6 Hours	اردو ناول کا آغاز و ارتقا	تدریس و تفہیم	نوٹس	
Dec	III	6 Hours	نثری پریم چند-سوانحی خاکہ-پریم چند کی ناول نگاری، خصوصیات	تدریس و تفہیم	مباحثہ	
Dec	IV	6 Hours	ناول: نرملہ-اہمیت-مرکزی خیال، تنقیدی جائزہ-خلاصہ	تدریس و تفہیم	تفویضی کام	
Dec	V	6 Hours	اکائی دوم-ناول کا مرکزی کردار، نرملہ-تنقیدی جائزہ	مطالعہ، تفہیم و تشریح	کلاس روم سیمینار	
Jan. 2022	VI	6 Hours	ناول کے اہم ذیلی کردار-نثری طوطا رام-منسارام-تنقیدی جائزہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Jan	VII	6 Hours	اکائی سوم-نثری صنف، افسانہ-تعارف-افسانے کے اجزا-اردو افسانہ، آغاز و ارتقا	مطالعہ، تفہیم و تشریح	نوٹس	
Jan	VIII	6 Hours	افسانہ: لال اور پیلا-خواجه احمد عباس-مصنف کا تعارف، افسانے کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	Internals-1
Feb	IX	6 Hours	اکائی چہارم-افسانہ: کمپیوٹر عشق-جوگندر پال-مصنف کا تعارف، افسانے کا مطالعہ، خلاصہ	مطالعہ، تفہیم و تشریح	مباحثہ	
Feb	X	6 Hours	افسانہ: وہ-بلراج مین را-مصنف کا تعارف، افسانے کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	
Feb	XI	6 Hours	اکائی پنجم-نثری صنف، ڈراما-تعارف-ڈراما کے اجزا	تدریس و تفہیم	تفہیم، نوٹس	
Feb	XII	6 Hours	اردو میں ڈراما کی روایت	تدریس و تفہیم	مباحثہ	
Mar	XIII	6 Hours	کرشن چندر-سوانحی خاکہ-کرشن چندر کی ڈراما نگاری-ڈراما، دروازے کھول دو: اہمیت، خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	Internals-2
Mar	XIV	6 Hours	مرکزی کردار، پنڈت رام دیال-اہم ذیلی کردار، مکمل کانت-تنقیدی جائزہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	
Mar. 2022	XV	6 Hours	اکائی اول-تا-اکائی پنجم: اہم نکات کا اعادہ	تدریس و تفہیم	تفہیم	End Exams



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ANNUAL CURRICULAR PLAN [CBCS]

Academic Year 2021-22

Part-II : Core Subject : URDU Spl.

Paper-II : URDU Spl. [Course Code: 2106]

Sem II : Paper II : Nasri Asnaf-2 : Course Code-1106 : Hours/Week : 6 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Jun. 2022	I	6 Hours	اکائی اول- غیر افسانوی نثر- صنف، مضمون- تعارف، تکنیک، خصوصیات	تدریس و تفہیم	نوٹس	
Jun	II	6 Hours	سر سید احمد خان- سوانحی خاکہ- ادبی خدمات، خصوصیات، جائزہ	تدریس و تفہیم	نوٹس	
Jun	III	6 Hours	مضمون: رسم و راج (منتخب حصہ، تلخیص)- سر سید- مضمون کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	نوٹس	
Jul	IV	6 Hours	اکائی دوم- صنف، انشائیہ- تعارف، تکنیک، خصوصیات	تدریس و تفہیم	تفویضی کام	
Jul	V	6 Hours	خواجه حسن نظامی- سوانحی خاکہ- ادبی خدمات، خصوصیات، جائزہ	تدریس و تفہیم	کلاس روم سیمینار	
Jul	VI	6 Hours	انشائیہ: جھینگڑ کا جنازہ- خواجه حسن نظامی- انشائیہ کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Jul	VII	6 Hours	اکائی سوم- صنف، خاکہ- تعارف، تکنیک، خصوصیات	تدریس و تفہیم	نوٹس	
Aug	VIII	6 Hours	رشید احمد صدیقی- سوانحی خاکہ- ادبی خدمات، خصوصیات، جائزہ	تدریس و تفہیم	تفہیم، نوٹس	Internals-1
Aug	IX	6 Hours	خاکہ: ڈاکٹر عبدالحق- رشید احمد صدیقی- خاکے کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Aug	X	6 Hours	اکائی چہارم- صنف، سفرنامہ- تعارف، تکنیک، خصوصیات	تدریس و تفہیم	تفہیم، نوٹس	
Aug	XI	6 Hours	مجتبیٰ حسین- سوانحی خاکہ- ادبی خدمات، خصوصیات، جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Sep	XII	6 Hours	سفرنامہ: بلٹ ٹرین میں کبھی نہ بیٹھو (منتخب حصہ)- مجتبیٰ حسین- سفرنامے کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	
Sep	XIII	6 Hours	اکائی پنجم- ترجمہ نگاری- تعارف، تکنیک، خصوصیات- ایلیٹ کی نظم کا تعارف	تدریس و تفہیم	تفہیم، نوٹس	Internals-2
Sep	XIV	6 Hours	ایلیٹ کی نظم The Waste Land کا ترجمہ ارض ویراں (سید سراج الدین) خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	
Sep. 2022	XV	6 Hours	اکائی اول- تا- اکائی پنجم: اہم نکات کا اعادہ	تدریس و تفہیم	تفہیم	End Exams



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Part-II : Core Subject : URDU Spl.

Paper-III : URDU Spl. [Course Code: 3106]

Sem III : Paper III : Shayeri : Course Code- 3106 : Hours/Week : 6 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Nov. 2021	I	6 Hours	اکائی اول-صنف، قصیدہ-تعارف، قصیدے کے اجزا	تدریس، تفہیم	تفہیم، نوٹس	
Dec	II	6 Hours	اردو میں قصیدہ نگاری-محسن کا کوروی، تعارف، سوانحی خاکہ	تدریس، تفہیم	تفہیم	
Dec	III	6 Hours	قصیدہ نعتیہ: سمت کاشی سے چلا..... (منتخب اشعار)-مطالعہ، تفہیم، خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Dec	IV	6 Hours	اکائی دوم-صنف، مرثیہ-تعارف، مرثیہ کے اجزا	تدریس، تفہیم	تفویضی کام	
Dec	V	6 Hours	اردو میں مرثیہ نگاری-میر انیس، تعارف، سوانحی خاکہ	تدریس، تفہیم	کلاس روم سیمینار	
Jan. 2022	VI	6 Hours	مرثیہ: نمک خوان، تلک،..... (ابتدائی دس بند)-مطالعہ، تفہیم، خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Jan	VII	6 Hours	اکائی سوم-صنف، مثنوی-تعارف، مثنوی کے اجزا	تدریس، تفہیم	تفہیم، نوٹس	
Jan	VIII	6 Hours	اردو میں مثنوی نگاری-پنڈت دیانشریم، تعارف، سوانحی خاکہ	تدریس، تفہیم	تفہیم، نوٹس	Internals-1
Feb	IX	6 Hours	مثنوی: گلزارشیم (آنا تاج الملوک کا صحرائے طلسم سے: منتخب اشعار)-مطالعہ، تفہیم، خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Feb	X	6 Hours	اکائی چہارم-صنف، رباعی-تعارف، رباعی کی خصوصیات	تدریس، تفہیم	تفہیم، نوٹس	
Feb	XI	6 Hours	میر انیس کی دو منتخب رباعیات-امجد حیدر آبادی کی دو منتخب رباعیات-مطالعہ، تفہیم، تشریح	مطالعہ، تفہیم، تشریح	تفہیم	
Feb	XII	6 Hours	اکائی پنجم-اہم سخن ور: میر انیس-تعارف، سوانحی خاکہ، تنقیدی جائزہ	تدریس، تفہیم	مباحثہ	
Mar	XIII	6 Hours	پنڈت دیانشریم-تعارف، سوانحی خاکہ، تنقیدی جائزہ	تدریس، تفہیم	تفویضی کام	Internals-2
Mar	XIV	6 Hours	امجد حیدر آبادی-تعارف، سوانحی خاکہ، تنقیدی جائزہ	تدریس، تفہیم	کلاس روم سیمینار	
Mar. 2022	XV	6 Hours	اکائی اول-تا-اکائی پنجم: اہم نکات کا اعادہ	تدریس، تفہیم، تبادلہ خیال	پچھلے اسباق: اعادہ	End Exams



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ANNUAL CURRICULAR PLAN [CBCS]

Academic Year 2021-22

Part-II : Core Subject : URDU Spl.

Paper-IV : URDU Spl. [Course Code: 4106]

Sem IV : Paper IV : Ghazal & Nazm : Course Code-4106 : Hours/Week : 6 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Jun. 2022	I	6 Hours	اکائی اول-صنف غزل-تعارف، خصوصیات، اردو غزل کا ارتقا	تدریس و تفہیم	نوٹس	
Jun	II	6 Hours	غزل: آج کی رین مجھ کو خواب نہ تھا-ولی دکنی: سوانحی خاکہ جائزہ-غزل کا مطالعہ، تشریح	تدریس و تفہیم	نوٹس	
Jun	III	6 Hours	غزل: جس سر کو غور آج ہے.....-میر تقی میر: سوانحی خاکہ جائزہ-غزل کا مطالعہ، تشریح	مطالعہ، تفہیم، خلاصہ	نوٹس	
Jul	IV	6 Hours	اکائی دوم-غزل: بس کہ دشوار ہے.....-غالب: سوانحی خاکہ جائزہ-غزل کا مطالعہ، تشریح	تدریس و تفہیم	تفویضی کام	
Jul	V	6 Hours	غزل: وہ ادائے دل بری ہو.....-جگر: سوانحی خاکہ جائزہ-غزل کا مطالعہ، تشریح	تدریس و تفہیم	کلاس روم سیمینار	
Jul	VI	6 Hours	غزل: جلا کے مشعل جاں.....-مجموع: سوانحی خاکہ جائزہ-غزل کا مطالعہ، تشریح	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Jul	VII	6 Hours	اکائی سوم-غزل: نہ کوئی ہم خیال اپنا.....-سیر کر نولی: سوانحی خاکہ جائزہ-غزل کا مطالعہ، تشریح	تدریس و تفہیم	نوٹس	
Aug	VIII	6 Hours	غزل: مجھے کوئی تہذیب.....-ساغر جیدی: سوانحی خاکہ جائزہ-غزل کا مطالعہ، تشریح	تدریس و تفہیم	تفہیم، نوٹس	Internals-1
Aug	IX	6 Hours	غزل: گلوں کو بونہ ملی.....-راہی فدائی: سوانحی خاکہ جائزہ-غزل کا مطالعہ، تشریح	مطالعہ، تفہیم، خلاصہ	مباحثہ	
Aug	X	6 Hours	اکائی چہارم-صنف، نظم-تعارف، بنیت، اقسام، اردو نظم کا ارتقا	تدریس و تفہیم	تفہیم، نوٹس	
Aug	XI	6 Hours	نظم: دارالکافات-نظیر اکبر آبادی: سوانحی خاکہ جائزہ-نظم کا مطالعہ، خلاصہ	تدریس و تفہیم	تفہیم، نوٹس	
Sep	XII	6 Hours	نظم: روح ارضی.....-علامہ اقبال: سوانحی خاکہ جائزہ-نظم کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	نوٹس	
Sep	XIII	6 Hours	اکائی پنجم-نظم: تنہائی-فیض احمد فیض: سوانحی خاکہ جائزہ-نظم کا مطالعہ، خلاصہ	تدریس و تفہیم	تفہیم، نوٹس	Internals-2
Sep	XIV	6 Hours	نظم: سبا ویراں: ن-م-راشد: سوانحی خاکہ جائزہ-نظم کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	
Sep. 2022	XV	6 Hours	نظم: ساگر کے کنارے-مخدوم: سوانحی خاکہ جائزہ-نظم کا مطالعہ، خلاصہ: اہم نکات کا اعادہ	تدریس و تفہیم	تفہیم	End Exams



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ANNUAL CURRICULAR PLAN [CBCS]

Academic Year 2021-22

Part-II : Core Subject : URDU Spl.

Paper-V : URDU Spl. [Course Code: 5106]

Sem V : Paper V : Tareekh e Adab Urdu (Shayeri) : Course Code-5106 : Hours/Week : 5 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Sep. 2021	I	5 Hours	اکائی اول- اردو زبان کا آغاز- گرین زو شیرانی، مسعود حسین خان کے نظریات	تدریس و تفہیم	نوٹس	
Sep	II	5 Hours	دکنی دور- بہمنی عہد تادکن میں مغلیہ عہد	تدریس و تفہیم	نوٹس	
Sep	III	5 Hours	محمد قلی قطب شاہ- تعارف، سوانحی خاکہ، تنقیدی جائزہ	تدریس و تفہیم	نوٹس	
Oct	IV	5 Hours	اکائی دوم- مشاہیر دکنی شعرا- ملا وجہی- تعارف، سوانحی خاکہ، تنقیدی جائزہ	تدریس و تفہیم	تفویضی کام	
Oct	V	5 Hours	نصرتی- تعارف، سوانحی خاکہ، تنقیدی جائزہ	تدریس و تفہیم	کلاس روم سیمینار	
Oct	VI	5 Hours	ولی دکنی- تعارف، سوانحی خاکہ، تنقیدی جائزہ	تدریس و تفہیم	مباحثہ	Internals-1
Nov	VII	5 Hours	اکائی سوم- شمالی ہند میں اردو شاعری کا آغاز- منتقدین شعرا- جان جاناں، حاتم، آبرو	تدریس و تفہیم	نوٹس	
Nov	VIII	5 Hours	دبستان دہلی- تعارف، امتیازات- میر، سودا، در، غالب	تدریس و تفہیم	تفہیم، نوٹس	
Nov	IX	5 Hours	دبستان لکھنؤ- تعارف، امتیازات- ناسخ، آتش، مصحفی، انشاء	تدریس و تفہیم	مباحثہ	
Nov	X	5 Hours	اکائی چہارم- دیگر اصناف- اردو مثنوی کا ارتقا- دکنی مثنویاں، میر حسن، نسیم	تدریس و تفہیم	تفہیم، نوٹس	Internals-2
Dec	XI	5 Hours	اردو مرثیہ کا ارتقا- دکنی مرثی، میر انیس، مرزا دبیر	تدریس و تفہیم	تفہیم، نوٹس	
Dec	XII	5 Hours	اردو قصیدہ کا ارتقا- دکنی قصائد سودا، ذوق	تدریس و تفہیم	تفہیم، نوٹس	
Dec	XIII	5 Hours	اکائی پنجم- اردو نظم کا ارتقا- ابتدائی دور ترقی پسندی، جدیدیت	تدریس و تفہیم	تفہیم، نوٹس	
Dec	XIV	5 Hours	نظیر اکبر آبادی، علامہ اقبال- تعارف، سوانحی خاکہ، تنقیدی جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Jan. 2022	XV	5 Hours	اکائی اول- تا- اکائی پنجم: اہم نکات کا اعادہ	تدریس و تفہیم	تفہیم	End Exams



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ANNUAL CURRICULAR PLAN [CBCS]

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Part-II : Core Subject : URDU Spl.

Paper-VI : URDU Spl. [Course Code: 6106]

Sem V : Paper VI : Tareekh e Adab Urdu (Nasr) : Course Code-6106 : Hours/Week : 6 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Sep. 2021	I	5 Hours	اکائی اول- اردو نثر کا آغاز و ارتقا- دکنی دور- بہمنی عہد تا دکن میں مغلیہ عہد	تدریس و تفہیم	نوٹس	
Sep	II	5 Hours	شمالی ہند میں اردو نثر- فورٹ ولیم کالج، پس منظر اہم خدمات	تدریس و تفہیم	نوٹس	
Sep	III	5 Hours	فورٹ ولیم کالج کے اہم مصنفین- گل کرائسٹ، میرامن، حیدر بخش حیدری	تدریس و تفہیم	نوٹس	
Oct	IV	5 Hours	اکائی دوم- سرسید اور ان کے رفقا- سرسید احمد خان- تعارف، سوانحی خاکہ ادبی اصلاحات	تدریس و تفہیم	تفویضی کام	
Oct	V	5 Hours	محمد حسین آزاد ڈپٹی نذیر احمد- تعارف، سوانحی خاکہ ادبی اصلاحات	تدریس و تفہیم	کلاس روم سیمینار	
Oct	VI	5 Hours	مولانا حالی، شبلی نعمانی- تعارف، سوانحی خاکہ، تنقیدی جائزہ	تدریس و تفہیم	مباحثہ	Internals-1
Nov	VII	5 Hours	اکائی سوم- اہم ادبی تحریکیں- علی گڑھ تحریک- پس منظر، اصول اور مقاصد، اثرات	تدریس و تفہیم	نوٹس	
Nov	VIII	5 Hours	ترقی پسند تحریک- پس منظر، اصول اور مقاصد، اثرات	تدریس و تفہیم	تفہیم، نوٹس	
Nov	IX	5 Hours	جدیدیت کی تحریک- پس منظر، اصول اور مقاصد، اثرات	تدریس و تفہیم	مباحثہ	
Nov	X	5 Hours	اکائی چہارم- اردو نثر میں طنز و مزاح کی روایت- تعارف، تنقیدی جائزہ	تدریس و تفہیم	تفہیم، نوٹس	Internals-2
Dec	XI	5 Hours	رشید احمد صدیقی، مشتاق احمد یوسفی- تعارف، سوانحی خاکہ، تنقیدی جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Dec	XII	5 Hours	اکائی پنجم- رائل سیما میں اردو نثر- دکنی دور (ابتدائی دور- تا- ۱۹۰۰ء)	تدریس و تفہیم	تفہیم، نوٹس	
Dec	XIII	5 Hours	رائل سیما میں افسانوی ادب (۱۹۰۰ء- تا- حال)	تدریس و تفہیم	تفہیم، نوٹس	
Dec	XIV	5 Hours	رائل سیما میں غیر افسانوی ادب، تحقیق و تنقید (۱۹۰۰ء- تا- حال)	تدریس و تفہیم	تفہیم، نوٹس	
Jan. 2022	XV	5 Hours	اکائی اول- تا- اکائی پنجم: اہم نکات کا اعادہ	تدریس و تفہیم	تفہیم	End Exams



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ANNUAL CURRICULAR PLAN [CBCS]

Academic Year 2021-22

Part-II : Core Subject : URDU Spl.

Paper-VII : URDU Spl. [Course Code: 7106]

Sem VI : Paper VII : Tanqeed Aur Balaghath : Course Code-7106 : Hours/Week : 5 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Jan. 2022	I	5 Hours	اکائی اول- تنقید- تنقید کا مفہوم، اہمیت اور ضرورت، نقاد کے فرائض	تدریس و تفہیم	نوٹس	
Jan	II	5 Hours	تذکرے- اہمیت، خوبیاں اور خامیاں، چند اہم تذکرے کا جائزہ	تدریس و تفہیم	نوٹس	
Feb	III	5 Hours	مغربی تنقید کے اثرات- سر سید اور ان کے رفقاء، کلیم الدین احمد، سید عبداللطیف قادری	تدریس و تفہیم	نوٹس	
Feb	IV	5 Hours	اکائی دوم- مقدمہ شعر و شاعری- اہمیت- مولانا حالی، تعارف، حالی کا تنقیدی شعور	تدریس و تفہیم	تفویضی کام	
Feb	V	5 Hours	شعر کی خوبیاں- شاعری کے لیے لازمی شرائط	تدریس و تفہیم	کلاس روم سیمینار	
Feb	VI	5 Hours	اردو اصناف سخن پر حالی کے اعتراضات- قصیدہ، مرثیہ، مثنوی، غزل	تدریس و تفہیم	مباحثہ	Internals-1
Mar	VII	5 Hours	اکائی سوم- تنقید کے دبستان- تاثراتی تنقید- تعارف، اہم اصول، اردو میں تاثراتی تنقید کا جائزہ	تدریس و تفہیم	نوٹس	
Mar	VIII	5 Hours	مارکسی تنقید- تعارف، اہم اصول، اردو میں تاثراتی تنقید کا جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Mar	IX	5 Hours	سائنٹفک تنقید- تعارف، اہم اصول، اردو میں تاثراتی تنقید کا جائزہ	تدریس و تفہیم	مباحثہ	
Mar	X	5 Hours	اکائی چہارم- اہم ناقدین- اختشام حسین- تعارف، تنقیدی نظریات کا جائزہ	تدریس و تفہیم	تفہیم، نوٹس	Internals-2
Apr	XI	5 Hours	شمس الرحمان فاروقی- تعارف، تنقیدی نظریات کا جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Apr	XII	5 Hours	رائل سیمائیں اردو تنقید- تعارف کا جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Apr	XIII	5 Hours	اکائی پنجم- علم بیان- تعارف، تشبیہ، استعارہ، مجاز، مرسل، کنایہ	تدریس و تفہیم	تفہیم، نوٹس	
Apr	XIV	5 Hours	علم بدیع- صنائع لفظی، تجنیس، نقاظ، تلمیج- صنائع معنوی، ایہام، حشو، لف و نشر	تدریس و تفہیم	تفہیم، نوٹس	
May. 2022	XV	5 Hours	اکائی اول- تا- اکائی پنجم، اہم نکات کا اعادہ	تدریس و تفہیم	تفہیم	End Exams



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ANNUAL CURRICULAR PLAN [CBCS]

Academic Year 2021-22

Part-II : Core Subject : URDU Spl.

Paper-VIII: Cluster Elective[Course Code: 8106-C1]

Sem VI : Paper VIII Cluster Elective-1 : Mukhtasar Tareekh e Adab-Angrezi : Course Code 8106-C1 : Hours/Week : 5 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Jan. 2022	I	5 Hours	اکائی اول-انگریزی زبان کا آغاز و ارتقاء تعارف جائزہ	تدریس و تفہیم	نوٹس	
Jan	II	5 Hours	قدیم کلاسیکی انگریزی شاعری	تدریس و تفہیم	نوٹس	
Feb	III	5 Hours	اہم ادبی رجحانات	تدریس و تفہیم	نوٹس	
Feb	IV	5 Hours	اکائی دوم-مشاہیر شعرا-جفرے چاسر-تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفویضی کام	
Feb	V	5 Hours	ایڈمنڈ اسپنسر-تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	کلاس روم سیمینار	
Feb	VI	5 Hours	ولیم شکسپیر-تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	مباحثہ	Internals-1
Mar	VII	5 Hours	اکائی سوم-جان ملٹن-تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	نوٹس	
Mar	VIII	5 Hours	جان ڈرائیڈن-تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Mar	IX	5 Hours	الیکزینڈر پوپ-تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	مباحثہ	
Mar	X	5 Hours	اکائی چہارم-ولیم ورڈسوتھ-تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	Internals-2
Apr	XI	5 Hours	جان کیٹس-تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Apr	XII	5 Hours	ٹی-ایس-ایلیٹ-تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Apr	XIII	5 Hours	اکائی پنجم-انگریزی کے اہم ہندوستانی شعرا-راہندر ناتھ ٹیگور-تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Apr	XIV	5 Hours	سروجنی نائیڈو کملاداس ثریا-تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
May. 2022	XV	5 Hours	اکائی اول-تا-اکائی پنجم: اہم نکات کا اعادہ	تدریس و تفہیم	تفہیم	End Exams



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ANNUAL CURRICULAR PLAN [CBCS]

Academic Year 2021-22

Part-II : Core Subject : URDU Spl.

Paper-VIII: Cluster Elective[Course Code: 8106-C2]

Sem VI : Paper VIII Cluster Elective-2 : Mukhtasar Tareekh e Adab-Farsi : Course Code 8106-C2 : Hours/Week : 5 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Jan. 2022	I	5 Hours	اکائی اول- فارسی زبان کا آغاز و ارتقا تعارف جائزہ	تدریس و تفہیم	نوٹس	
Jan	II	5 Hours	فارسی شاعری کے ابتدائی نمونے	تدریس و تفہیم	نوٹس	
Feb	III	5 Hours	اہم ادبی رجحانات	تدریس و تفہیم	نوٹس	
Feb	IV	5 Hours	اکائی دوم- قدیم فارسی شاعری تعارف جائزہ	تدریس و تفہیم	تفویضی کام	
Feb	V	5 Hours	رودکی- تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	کلاس روم سیمینار	
Feb	VI	5 Hours	فردوسی- تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	مباحثہ	Internals-1
Mar	VII	5 Hours	اکائی سوم- نظامی گنجوی- تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	نوٹس	
Mar	VIII	5 Hours	مولانا رومی- تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم نوٹس	
Mar	IX	5 Hours	خاقانی- تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	مباحثہ	
Mar	X	5 Hours	اکائی چہارم- عمر خیام- تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم نوٹس	Internals-2
Apr	XI	5 Hours	حافظ شیرازی- تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم نوٹس	
Apr	XII	5 Hours	سعدی شیرازی- تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم نوٹس	
Apr	XIII	5 Hours	اکائی پنجم- فارسی کے اہم ہندوستانی شعرا- امیر خسرو- تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم نوٹس	
Apr	XIV	5 Hours	صائب بیدل- تعارف سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم نوٹس	
May. 2022	XV	5 Hours	اکائی اول- تا- اکائی پنجم: اہم نکات کا اعادہ	تدریس و تفہیم	تفہیم	End Exams



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ANNUAL CURRICULAR PLAN [CBCS]

Academic Year 2021-22

Part-II : Core Subject : URDU Spl.

Paper-VIII: Cluster Elective[Course Code: 8106-C3]

Sem VI : Paper VIII Cluster Elective-3 : Mukhtasar Tareekh e Adab-Telugu : Course Code 8106-C3 : Hours/Week : 5 Hours : Credits - 4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
Jan. 2022	I	5 Hours	اکائی اول-تلگوزبان و ادب کا آغاز و ارتقاء تعارف جائزہ (سی-پی-براؤن)	تدریس و تفہیم	نوٹس	
Jan	II	5 Hours	قدیم تلگوشاعری، مہابھارت کے تراجم (تیا، تلنا، ایرنا)	تدریس و تفہیم	نوٹس	
Feb	III	5 Hours	کلاسیکی تلگوشاعری، یوگی و مینا	تدریس و تفہیم	نوٹس	
Feb	IV	5 Hours	اکائی دوم-مشاہیر شعرا (اصلاحی، نوکلاسیکی) گرو جاڈاپا رو-تعارف، سوانحی خاکہ جائزہ	تدریس و تفہیم	تفویضی کام	
Feb	V	5 Hours	وشونا تھستیر نارائنا-تعارف، سوانحی خاکہ جائزہ	تدریس و تفہیم	کلاس روم سیمینار	
Feb	VI	5 Hours	بال گنگا دھرتک-تعارف، سوانحی خاکہ جائزہ	تدریس و تفہیم	مباحثہ	Internals-1
Mar	VII	5 Hours	اکائی سوم-مشاہیر شعرا (ترقی پسند جدید) داسرھی-تعارف، سوانحی خاکہ جائزہ	تدریس و تفہیم	نوٹس	
Mar	VIII	5 Hours	سری سری-تعارف، سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Mar	IX	5 Hours	سی-نارائن ریڈی-تعارف، سوانحی خاکہ جائزہ	تدریس و تفہیم	مباحثہ	
Mar	X	5 Hours	اکائی چہارم-مشاہیر شعرا (دلت، اقلیتی، تانیٹی) گرم جاشوا-تعارف، سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	Internals-2
Apr	XI	5 Hours	ویم پٹی عبدالقادر-تعارف، سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Apr	XII	5 Hours	کوٹھ پوڈی نرمل-تعارف، سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Apr	XIII	5 Hours	اکائی پنجم-ضلع کڈپہ کے اہم تلگوشعرا-پٹھ پرتی نارائنا چارپولو-تعارف، سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
Apr	XIV	5 Hours	گجبلہ ملار ریڈی، سسی سری-تعارف، سوانحی خاکہ جائزہ	تدریس و تفہیم	تفہیم، نوٹس	
May. 2022	XV	5 Hours	اکائی اول-تا-اکائی پنجم: اہم نکات کا اعادہ	تدریس و تفہیم	تفہیم	End Exams

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM SEMESTER- 1

NO. HRS/WEEK:04

AMRUTHAVANI -1 (अमृतवाणी - 1)

) Total Hours/Credits: 3Credits-60 periods

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	November	4 th	04	आम पादुका मिषेकः	उपन्यास	
2	December	1 st	04	आम पादुका मिषेकः	उपन्यास	
3		2 nd	04	आम पादुका मिषेकः	उपन्यास	इकोरपठनम्
4		3 rd	04	थर प्रज्ञाः	प्रज्ञातर	इकोरपठनम्
5		4 th	04	थर प्रज्ञाः	प्रज्ञातर	असेनमेन्द्रे
6	January	1 st	04	मेवाडे राज्या समापनम्	उपन्यास	अभिगानम्
7		2 nd	04	मेवाडे राज्या समापनम्	उपन्यास	अभिगानम्
8		3 rd	04	विने कानन्दम्	विवरणम्	विष्णु
9		4 th	04	विने कानन्दम्	कथा कथनम्	सेमिनारम्
10	February	1 st	04	अमृतम् पापपुण्यम् : इहेन कलमम्	कथा कथनम्	सेमिनारम्
11		2 nd	04	अमृतम् : पापपुण्यम् : इहेन कलमम्	कथा कथनम्	इकोरपठनम्
12		3 rd	04	इकोरपठनम्	उपन्यास	असेनमेन्द्रे
13		4 th	04	इकोरपठनम्	उपन्यास	अभिगानम्
14	March	1 st	04	व्याकरण विभागः	विवरणम्	सेमिनारम्
15		2 nd	04	व्याकरण विभागः	विवरणम्	सेमिनारम्
16		3 rd	04	व्याकरण विभागः	विवरणम्	

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BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM SEMESTER- 2

NO. HRS/WEEK:04 , AMRUTHAVANI -2 (अमृतवाणी २.)

Total Hours/Credits: 3 Credits-60 periods

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	April	3 rd	04	इन्दुमती अवसं वरम	उपन्यास	
2		4 th	04	इन्दुमती अवसं वरम	उपन्यास	इको हप ठगन
3	May	1 st	04	शिवमे म्या दीक्षा प्रमाण	उपन्यास	इको हप ठगन
4		2 nd	04	शिवमे म्या दीक्षा प्रमाण	उपन्यास	सेमिनार
5	June	3 rd	04	गुडवत २०२०	उपन्यास	असे गमे २
6		4 th	04	मोहा पणोड :	उपन्यास	असे गमे २
7	July	1 st	04	मोहा पणोड :	उपन्यास	अतिथि उपन्यास
8		2 nd	04	वन्दे काश्मीर भारत	उपन्यास	गुडवत २०२०
9		3 rd	04	अवनि मुन्डरी कथा	उपन्यास	सेमिनार
10		4 th	04	अवनि मुन्डरी कथा	उपन्यास	सेमिनार
11	August	1 st	04	अवनि मुन्डरी कथा	उपन्यास	अतिथि उपन्यास
12		2 nd	04	चासु डस चरित	उपन्यास	गुडवत २०२०
13		3 rd	04	चासु डस चरित	उपन्यास	अतिथि उपन्यास
14		4 th	04	चासु डस चरित	उपन्यास	गुडवत २०२०
15	September	1 st	04	चासु डस चरित	उपन्यास	अतिथि उपन्यास
16		2 nd	04	चासु डस चरित	उपन्यास	गुडवत २०२०

GOVERNMENT COLLEGE FOR MEN, KADAPA (AUTONOMOUS) DEPARTMENT OF HINDI YEAR: 2021-2022

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM, SEMESTER- 1

NO. HRS/WEEK:04

Total Hours/Credits:

3Credits-60 periods

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	June	4 th	04	हिन्दी निबंध का परिचय एवं विकास		Assignment
2	July	1 st	04	साहित्य की महता -महावीर प्रसाद द्विवेदी		Seminar
3		2 nd	04	मित्रता -आचार्य रामचन्द्र शुक्ल		
4		3 rd	04	सच्ची वीरता - सरदार पूर्णसिंह		Assignment
5		4 th	04	हिन्दी कहानी की शुरुवात एवं उसका विकास		
6	August	1 st	04	प्रेमचंद एवं उनका युग और हिन्दी कहानी		Quiz
7		2 nd	04	मुक्तिधन- प्रेमचंद		
8		3 rd	04	पुरस्कार -जयशंकर प्रसाद		
9		4 th	04	उसने कहा था -चंद्रधर शर्मा गुलेरी		Assignment
10	September	1 st	04	व्याकरण -लिंग ,वचन		
11		2 nd	04	काल ,वाच्य ,वाक्यों की शुद्धि		Seminar
12		3 rd	04	शब्द -विलोम		
13		4 th	04	वाक्यों की शुद्धि ,अंग्रेजी -हिन्दी शब्द		Assignment
14	October	1 st	04	कार्यालयीन हिन्दी शब्दावली		
15		2 nd	04	पत्र -लेखन		Seminar



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DEPARTMENT OF HINDI : YEAR: 2021-2022
GOVERNMENT COLLEGE FOR MEN, KADAPA (AUTONOMOUS)

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM

SEMESTER- 2

NO. HRS/WEEK:04

Credets-60 periods

Total Hours/Credits: 3

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	November	4 th	04	हिन्दी निबंध का विकास		Assignment
2	December	1 st	04	साहित्य और संस्कृति का परस्पर संबंध-डॉ जी सुंदर रेड्डी		
3		2 nd	04	भारत एक है- रामधारी सिंह दिनकर		Seminar
4		3 rd	04	एच आई वी / एड्स -श्री मती साधना मौर्या		
5		4 th	04	हिन्दी कहानी की उत्पत्ति एवं विकास		Assignment
6	January	1 st	04	परमात्मा का कुत्ता - मोहन राकेश		
7		2 nd	04	वापसी - उषा प्रियंबदा		Quiz
8		3 rd	04	भूख हड़ताल -बाल शौरी रेड्डी		
9		4 th	04	व्याकरण , संधि,		
10	February	1 st	04	कार्यालय हिन्दी , अंग्रेजी -हिन्दी		Seminar
11		2 nd	04	हिन्दी शब्दों का वाक्य में प्रयोग		
12		3 rd	04	पत्र -लेखन		Assignment
13		4 th	04	अंग्रेजी से हिन्दी अनुवाद		
14	March	1 st	04	परीक्षा की तैयारी		Quiz
15		2 nd	04	परीक्षा की तैयारी		

GOVERNMENT COLLEGE FOR MEN, KADAPA (AUTONOMOUS) DEPARTMENT OF TELUGU YEAR: 2021-2022
BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM -SEMESTER- III

NO. HRS/WEEK:04

3Credits-60 periods

Total Hours/Credits:

S.No.	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	June	4 th	04	काल विभाजन और भक्तिकाल का परिचय		
2	July	1 st	04	कबीर दास -साखी		Assignment
3		2 nd	04	दोहे - तुलसी दास		Seminar
4		3 rd	04	मातृभूमि - मैथिलि शरण गुप्त		Quiz
5		4 th	04	तोड़ती पत्थर -सूर्यकांत त्रिपाठी निराला		
6	August	1 st	04	भारत माता - सुमित्रानंदन पंत		Assignment
7		2 nd	04	हिन्दी साहित्य का इतिहास		
8		3 rd	04	काल विभाजन, भक्तिकाल		
9		4 th	04	ज्ञानाश्रयी काव्य		Seminar
10	September	1 st	04	प्रेमाश्रयाई काव्य		
11		2 nd	04	साधारण निबंध, बेकरी की समस्या		Assignment
12		3 rd	04	समाचार पत्र ,साहित्य और समाज		
13		4 th	04	कॉम्प्यूटर , पर्यावरण और प्रदूषण		Seminar
14	October	1 st	04	अनुवाद , अंग्रेजी से हिन्दी		Quiz
15		2 nd	04	प्रयोजन मूलक हिन्दी, परिपत्र, ज्ञापन		Assignment
				अधिसूचना		



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Biotechnology - Teaching Plan

Paper I: Biomolecules and Analytical Techniques

Year: 2021-22

Semester: 1

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Classification, structure, properties of carbohydrates. Classification, structure and properties of amino acids, peptide bond and peptides.	Lecture, PPT	-
2	Dec I	04	Classification, structure (primary, secondary, tertiary, quaternary) and functions of proteins. Denaturation and renaturation of proteins.	Lecture & Demonstration	Assignment
3	Dec II	04	Classification structure and properties of saturated and unsaturated fatty acids. Structure and functions of glycolipids, phospholipids, and cholesterol.	Lecture, PPT	Assignment
4	Dec III	04	Structure and functions of DNA and RNA. Free energy, entropy, enthalpy and redox potential.	Lecture, PPT	Seminar
5	Dec IV	04	High energy compounds, Glycolysis, TCA cycle.	Lecture, PPT	
6	Jan I	04	Electron-Transport System and Oxidative Phosphorylation. Basic principles and types of centrifugations (Analytical and Preparative).	Lecture, Discussion	
7	Jan III	04	Principle, instrumentation and application of paper TLC, ion exchange, gel permeation, affinity chromatography.	Lecture	
8	Jan IV	04	Basic principles and types of electrophoresis, factors affecting electrophoretic migration. PAGE (Native, SDS-PAGE).	Discussion	Assignment
9	Feb I	04	Introduction to 2D & Isoelectric Focusing, Pulsed Field Gel Electrophoresis.	Lecture, PPT	Assignment
10	Feb II	04	Beer-Lambert law, light absorption and transmission. Extinction coefficient, Design and application of photoelectric colorimeter and UV-visible spectrophotometer.	Lecture	Seminar
11	Feb III	04	Introduction to crystallography and application. Types and design of microscopes - compound, phase contrast, fluorescent, electron microscopy (TEM, SEM).	Lecture, Discussion	
12	Feb IV	04	Introduction to radioisotopes, and autoradiography. Pros and Cons of usage of radioactive material in life sciences.	Lecture	
13	Mar I	04	Mean, median, mode, standard deviation	Discussion	Assignment
14	Mar II	04	One-way ANOVA, t-test, F-test	Discussion	
15	Mar III	04	chi-square test and revision	Lecture	

Government College for Men (Autonomous), Kadapa

Teaching Plan

Paper II: Microbiology, Cell and Molecular Biology

Year: 2021-22

Semester: 2

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	History and contribution of Leeuwenhoek, Louis Pasteur, Robert Koch, Joseph Lister and Alexander Fleming. Ultrastructure of bacteria and growth curve	Lecture, PPT	Assignment
2	Apr III	04	Pure culture techniques. Sterilization techniques, principles and application of physical methods	Discussion, PPT	Seminar
3	Apr IV	04	chemical methods and radiation methods. Simple, gram and acid-fast staining.	Lecture, PPT	-
4	May I	04	Structure and properties of plant (tobacco mosaic virus, TMV), animal (Newcastle disease virus, NDV), human (Human immunodeficiency virus, HIV) and bacterial viruses (T4 phage).	Lecture	-
5	May II	04	Structure and properties of plant (tobacco mosaic virus, TMV), animal (Newcastle disease virus, NDV), human (Human immunodeficiency virus, HIV) and bacterial viruses (T4 phage).	Lecture,	Assignment
6	May III	04	Emerging and re-emerging viruses (dengue virus), zoonotic viruses (rabies), SARS-CoV-2. Introduction to fungi, algae and mycoplasma.	Discussion	Assignment
7	May IV	04	Structure, properties and functions of cellular organelles (Nucleus, E.R, Golgibodies, Mitochondria, Ribosomes, Chloroplast and Vacuoles) of eukaryotic cells	Discussion	
8	Jun I	04	Cell cycle and cell division (mitosis and meiosis). Chemical composition and dynamic nature of the membrane	Lecture	
9	Jun II	04	Genome organization of prokaryotic and eukaryotic organisms, DNA replication in prokaryotes (semiconservative, dispersive, conservative, uni and bi-direction, rolling circle).	Lecture, PPT	
10	Jun III	04	Mechanism of DNA replication, enzymes and protein involved in DNA replication	Lecture	Assignment
11	Jun IV	04	DNA damage and repair. Genetic code.	Lecture, PPT	seminar
12	Jul I	04	prokaryotic transcription, enzymes involved in transcription. Post-transcriptional modification (Capping Poly adenylation) and splicing.	Discussion, PPT	Assignment
13	Jul II	04	Translation: mechanism of translation in prokaryotic organisms.		-
14	Jul III	04	Regulation of gene expression in prokaryotes Lac operon concept.	Lecture, PPT	-
15	Jul IV	04	Trp Operon and revision	Lecture	Assignment

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Teaching Plan

Paper III: Immunology and rDNA Technology

Year: 2021-22

Semester: 3

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Terminology, antigen, antibody and immunogenicity	Lecture, PPT	Seminar
2	Dec I	04	Types of immunity, Primary lymphoid organs	Demonstration	Assignment
3	Dec II	04	Secondary lymphoid organs, Cells, tissues, MHC, Humoral ad Cell mediated immunity	Demonstration	Seminar
4	Dec III	04	Vaccines, adjuvants, hybridoma technology	Lecture, PPT	
5	Dec IV	04	Antigen-antibody interactions, hypersensitivity, autoimmunity	Lecture, PPT	Assignment
6	Jan I	04	Data bases, Nucleotide and protein, BLAST analysis	Lecture, PPT	Seminar
7	Jan III	04	ClustalW, Phylogenetic tree construction, Steps involved in cloning	Lecture	
8	Jan IV	04	Vectors	Demonstration	Assignment
9	Feb I	04	Restriction endonucleases, Ligases, OCR, Southern blotting	Lecture, PPT	
10	Feb II	04	DNA sequencing, cDNA construction	Lecture	Assignment
11	Feb III	04	Methods of transformation	Lecture, PPT	Seminar
12	Feb IV	04	Recombinants selection	Lecture	Seminar
13	Mar I	04	Transgenic plants	Demonstration	Assignment
14	Mar II	04	Edible vaccines, Disease diagnosis	Lecture, Drill	
15	Mar III	04	Disease diagnosis and revision	Lecture, Drill	Seminar




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Teaching Plan

Paper IV: Plant and Animal Biotechnology

Year: 2021-22

Semester: 4

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	Totipotency, media preparation, Establishment of cultures	Discussion	-
2	Apr III	04	Secondary metabolites, Somatic embryogenesis	Lecture	Assignment
3	Apr IV	04	Cryopreservation, Agrobacterium mediated gene transfer	Lecture, PPT	Assignment
4	May I	04	Hairy roots, Ri plasmid, Transgenic plants as bioreactors	Lecture	
5	May II	04	Herbicide, insect resistance	Lecture, PPT	Assignment
6	May III	04	Molecular markers, DNA finger printing applications	Discussion	Seminar
7	May IV	04	Animal cell culture media preparation, reagents, primary and secondary cell culture	Discussion	Seminar
8	Jun I	04	Stem cells, applications, cryopreservation	Lecture	Assignment
9	Jun II	04	Transfection methods, its applications	Lecture	Assignment
10	Jun III	04	Production of vaccine	Lecture, PPT	Seminar
11	Jun IV	04	IVF in farm animals, Gene therapy, Concepts of transgenic animals	Lecture	
12	Jul I	04	Precipitation, agglutination, complement fixation,	Lecture, PPT	Assignment
13	Jul II	04	Bioethics, CPCSEA guidelines	Lecture	
14	Jul III	04	Biosafety levels, cabinets	Lecture, PPT	Assignment
15	Jul IV	04	IPR and revision	Discussion	

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Teaching Plan

Paper V (2020-21 Admitted Batch): Environmental and Industrial Biotechnology

Year: 2021-22

Semester: 5

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	Environmental pollution, Types of pollution	Lecture	-
2	Apr III	04	Pollution control through biotechnological methods	Lecture	Seminar
3	Apr IV	04	Water pollution, Aerobic treatment	Demonstration	Assignment
4	May I	04	anaerobic treatment	Lecture, PPT	
5	May II	04	Bioremediation of hydrocarbons, degradation of pesticides	Lecture, PPT	Assignment
6	May III	04	Role of genetically engineered microbes, phytoremediation	Lecture, PPT	Seminar
7	May IV	04	Biogas production	Lecture, PPT	Assignment
8	Jun I	04	Factors involved in biogas production	Lecture, PPT	
9	Jun II	04	Biofertilizers and vermicomposting	Lecture, PPT	Assignment
10	Jun III	04	Nano technology and its applications	Discussion	
11	Jun IV	04	Screening of industrially useful microbes, Preservation	Discussion, Drill	Seminar
12	Jul I	04	Strain Improvement, fermenter design, applications	Lecture	Assignment
13	Jul II	04	Production of citric acid, glutamic acid	Discussion	Seminar
14	Jul III	04	Cheese, Wine	Lecture, PPT	Assignment
15	Jul IV	04	Penicillin and revision	Lecture, PPT	




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Paper V: Molecular Biology

Year: 2021-22

Semester: 5

No. of hour per week: 3

Total hours/Credits: 45/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Sep I	03	Watson and Crick model of DNA; Concepts of Genetic Material, Gene, Chromosome and Genome.	Lecture	-
2	Sep II	03	Genome organization with specific reference to prokaryotic and eukaryotic genomes; Genome size.	Lecture	Seminar
3	Sep III	03	Experiments to prove DNA and RNA as genetic material (Griffith experiment, Hershey- Chase experiment, Fraenkel-Conrat experiment).	Demonstration	Assignment
4	Sep IV	03	Enzymology of replication (DNA polymerase I, II and III; helicases, topoisomerases, single strand binding proteins, primase).	Lecture, PPT	
5	Oct II	03	Proof of semiconservative replication	Lecture, PPT	Assignment
6	Oct III	03	Replication origin, initiation, elongation, and termination in prokaryotes. Rolling circle replication of DNA.	Lecture, PPT	Seminar
7	Oct IV	03	Basic features of transcription, structure of prokaryotic RNA polymerase (core enzyme and holoenzyme, sigma factor)	Lecture, PPT	Assignment
8	Nov I	03	concept of promoter (Pribnow box, -10 and -35 sequences)	Lecture, PPT	
9	Nov II	03	promoter binding and activation, RNA chain initiation	Lecture, PPT	Assignment
10	Nov III	03	chain elongation, termination and release). Reverse transcription.	Discussion	
11	Nov IV	03	Genetic code: Features of genetic code	Discussion, Drill	Seminar
12	Dec I	03	Structure of mRNA, brief structure of tRNA, the wobble hypothesis.	Lecture	Assignment
13	Dec II	03	Initiation, elongation, termination of protein synthesis in prokaryotes; Poly- and Mono- cistronic m-RNA.	Discussion	Seminar
14	Dec III	03	Regulation of gene expression; Clustered genes and the operon concepts	Lecture, PPT	Assignment
15	Dec IV	03	Negative and positive control of the Lac Operon, trp operon, Control of gene expression.	Lecture, PPT	

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Paper VI: Recombinant DNA Technology

Year: 2021-22

Semester: 5

No. of hour per week: 3

Total hours/Credits: 45/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Sep I	03	Classification of restriction endonucleases	Lecture	-
2	Sep II	03	Polymerases, ligases, phosphatases, kinases and nucleases	Lecture	Assignment
3	Sep III	03	Reverse transcriptase and terminal transferase	Demonstration	
4	Sep IV	03	Cohesive end ligation, methods of blunt end ligation	Lecture, PPT	Seminar
5	Oct II	03	Transfection and transformation.	Lecture, PPT	Assignment
6	Oct III	03	Screening methods (Genetic marker and blue white screening)	Lecture, PPT	
7	Oct IV	03	Plasmid, Bacteriophage	Lecture, PPT	Seminar
8	Nov I	03	Construction of genomic and cDNA libraries. Advantages of cDNA libraries.	Lecture, PPT	
9	Nov II	03	Maxam - Gilberts and Sanger's dideoxy chain termination methods;	Lecture, PPT	Assignment
10	Nov III	03	Polymerase chain reaction technique	Discussion	
11	Nov IV	03	microinjection, microprojectile bombardment (gene gun method)	Discussion, Drill	Seminar
12	Dec I	03	Electroporation and Agrobacterium mediated transformation	Lecture	
13	Dec II	03	Applications of recombinant DNA technology in Agriculture	Discussion	
14	Dec III	03	Applications of recombinant DNA technology in Medicine	Lecture, PPT	Assignment
15	Dec IV	03	Revision	Lecture, PPT	



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Teaching Plan

Paper VII: Plant and Animal Biotechnology

Year: 2021-22

Semester: 5

No. of hour per week: 3

Total hours/Credits: 45/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Jan III	03	Introduction to Plant Biotechnology: Principles of plant cell and tissue culture – totipotency, dedifferentiation, redifferentiation;	Lecture	-
2	Jan IV	03	Introduction to cell and Tissue culture Laboratory facilities;	Lecture	Assignment
3	Feb I	03	Types of media (Eg. MS Media & its composition), Preparation and sterilization.	Demonstration	
4	Feb II	03	Somatic embryogenesis and organogenesis	Lecture, PPT	
5	Feb III	03	Clonal Propagation of economically important plants (Banana),	Lecture, PPT	Assignment
6	Feb IV	03	Production of secondary metabolites through plant tissue culture, Methods in the production of transgenic plants, Bt Cotton, Golden rice.	Lecture, PPT	
7	Mar I	03	Basic laboratory facilities of animal cell culture laboratory, Culture media, growth factors.	Lecture, PPT	Seminar
8	Mar II	03	Characteristics of cells in culture: Contact inhibition, anchorage dependence, cell-cell communication etc.; Cell senescence; cell and tissue response to trophic factors.	Lecture, PPT	
9	Mar III	03	Primary culture, immortal cells, cell lines. Maintenance of cell lines in the laboratory.	Lecture, PPT	Assignment
10	Mar IV	03	Transgenesis, transgenic methods – microinjection, electroporation, lipofection,	Discussion	
11	Apr I	03	embryonic stem cell mediated method, retroviral mediated method	Discussion,	Seminar
12	Apr II	03	Artificial insemination, <i>In Vitro</i> Fertilization, Embryo transfer in farm animals.	Lecture	Assignment
13	Apr III	03	Production of Dolly.	Discussion	
14	Apr IV	03	Intellectual property rights- patent, copyright, trademark	Lecture, PPT	Assignment
15	May I	03	Social, ethical and legal issues in Biotechnology.	Lecture, PPT	Seminar




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Botany - Teaching Plan

Paper I: Fundamentals of Microbes and Non-vascular Plants

Year: 2021-22

Semester: 1

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Origin of life, concept of primary Abiogenesis ;Miller and Urey experiment. Five kingdom classification of R.H. Whittaker Discovery of microorganisms, Pasteur experiments, germ theory of diseases	Lecture, PPT	-
2	Dec I	04	Shape and symmetry of viruses; structure of TMV and Gemini virus;multiplication of TMV; A brief account of Prions and Viroids. A general account on symptoms of plant diseases caused by Viruses.	Lecture & Demonstration	Assignment
3	Dec II	04	Significance of viruses in vaccine production, bio-pesticides and as cloning vectors.	Lecture, PPT	Assignment
4	Dec III	04	Brief account of Archaeobacteria, Actinomycetes and Cyanobacteria	Lecture, PPT	Seminar
5	Dec IV	04	Cell structure of Eubacteria Reproduction- Asexual (Binary fission and endospores) and bacteria recombination (Conjugation, Transformation, Transduction).	Lecture, PPT	
6	Jan I	04	Economic importance of Bacteria with reference to their role in Agriculture and industry (fermentation and medicine). A general account on symptoms of plant diseases caused by Bacteria; Citruscanker.	Lecture, Discussion	
7	Jan III	04	General characteristics of fungi and Ainsworth classification (upto classes). Economic uses of fungi in food industry, pharmacy and agriculture	Lecture	

8	Jan IV	04	Structure, reproduction and life history of (a) <i>Rhizopus</i> (Zygomycota) and (b) <i>Puccinia</i> (Basidiomycota).	Discussion	Assignment
9	Feb I	04	A general account on symptoms of plant diseases caused by Fungi; Blast of Rice. Lichens- structure and reproduction; ecological and economic importance.	Lecture, PPT	Assignment
10	Feb II	04	General characteristics of Algae (pigments, flagella and reserve food material); Fritsch classification (upto classes). Thallus organization in Algae.	Lecture	Seminar
11	Feb III	04	Occurrence, structure, reproduction and life cycle of (a) <i>Spirogyra</i> (Chlorophyceae) and (b) <i>Polysiphonia</i> (Rhodophyceae).	Lecture, Discussion	
12	Feb IV	04	Economic importance of Algae.	Lecture	
13	Mar I	04	General characteristics of Bryophytes; classification upto classes.=	Discussion	Assignment
14	Mar II	04	Occurrence, morphology, anatomy, reproduction (developmental details are not needed) and life cycle of (a) <i>Marchantia</i> (Hepaticopsida) and (b) <i>Funaria</i> (Bryopsida).	Discussion	
15	Mar III	04	General account on evolution of sporophytes in Bryophyta.	Lecture	




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Botany - Teaching Plan

PaperII: Basics of Vascular plants and Phytogeography

Year: 2021-22

Semester: 2

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	General characteristics of Pteridophyta; classification of Smith (1955)uptodivisions. Occurrence, morphology,anatomy, reproduction and life historyof Lycopodium (Lycopsida)	Lecture, PPT	Assignment
2	Apr III	04	Occurrence, morphology,anatomy, reproduction and life history of Marsilea (Filicopsida) Stelar evolution in Pteridophytes	Discussion, PPT	Seminar
3	Apr IV	04	Heterospory and seed habit	Lecture, PPT	-
4	May I	04	General characteristics of Gymnosperms; Sporneclassification uptoclasses. Occurrence, morphology, anatomy, reproduction and life history of Cycas (Cycadopsida)	Lecture	Quiz
5	May II	04	Occurrence, morphology, anatomy, reproduction and life history of Gnetum (Gnetopsida) Outlines of geological time scale. A brief account on Cycadeoidea.	Lecture,	Assignment
6	May III	04	Aim and scope of taxonomy; Species concept: Taxonomic hierarchy, species, genus and family. Plant nomenclature: Binomial system, ICBN- rules for nomenclature.	Discussion	-
7	May IV	04	Herbarium and its techniques,BSI herbarium and Kew herbarium; concept of digital herbaria. Bentham and Hooker system of classification;	Discussion	Seminar
8	Jun I	04	Systematic description and economic importance of the following families: (a) Annonaceae (b) Curcubitaceae Systematic description and economic importance of the following families: (a) Asteraceae	Lecture	Quiz
9	Jun II	04	Systematic description and economic importance of the following families: (b) Asclepiadaceae (c)Amaranthaceae	Lecture, PPT	
10	Jun III	04	Systematic description and economic importance of the following families: (d) Euphorbiaceae (e) Arecaceae	Lecture	Assignment
11	Jun IV	04	Systematic description and economic importance of the following families: (f) Poaceae Outlines of Angiosperm Phylogeny Group (APG IV).	Lecture, PPT	seminar

12	Jul I	04	. Principles of Phytogeography, Distribution (wides, endemic, discontinuous species)	Lecture, PPT	Quiz
13	Jul II	04	Endemism – types and causes		-
14	Jul III	04	Phytogeographic regions of World Phytogeographic regions of India	Lecture, PPT	Seminar
15	Jul IV	04	Vegetation types in Andhra Pradesh.	Lecture	Assignment

Government College for Men (Autonomous), Kadapa

Botany Teaching Plan

PaperIII: Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity

Year: 2021-22

Semester: 3

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Organization of apical meristems:Tunica-carpustheory and Histogen theory. Tissue systems–Epidermal, ground tissues	Lecture, PPT	-
2	Dec I	04	Tissue systems- Vascular tissue Anomalous secondary growth stem in <i>Boerhaavia</i> and <i>Dracaena</i> .	Demonstration of section cuttings	
3	Dec II	04	Study of timbers of economic importance-Teak, Red sanders and Rosewood.	Demonstration of section cuttings	Assignment
4	Dec III	04	Structure of anther,anther wall,types of tapetum. Microsporogenesis and development of male gametophyte.	Lecture, PPT	Quiz
5	Dec IV	04	Structure of ovule, megasporogenesis; monosporic (<i>Polygonum</i>), bisporic (<i>Allium</i>)andtetrasporic(<i>Peperomia</i>) types of embryo sacs.	Lecture, PPT	Assignment
6	Jan I	04	Outlines of pollination, pollen–pistil interaction and fertilization. Endosperm - Types and biological importance - Free nuclear, cellular,helobial and ruminant.	Lecture, PPT	Demonstration
7	Jan III	04	Development of Dicot(<i>Capsella bursa-pastoris</i>)embryo. Ecology: definition, branches and significance of ecology.	Lecture	Quiz

8	Jan IV	04	Ecosystem: Concept and components, energy flow, food chain, food web, ecological pyramids. Plants and environment: Climatic (light and temperature)	Lecture, PPT	Assignment
9	Feb I	04	Plants and environment: Edaphic and Biotic factors. Ecological succession: Hydrosere and Xerosere.	Lecture, PPT	Quiz
10	Feb II	04	Population ecology: Natality, mortality, growth curves, ecotypes, ecads Community ecology: Frequency, density, cover, lifeforms, biological spectrum	Lecture	Assignment
11	Feb III	04	Concepts of productivity: GPP, NPP and Community Respiration Secondary production, P/R ratio and Ecosystems.	Lecture, PPT	Seminar
12	Feb IV	04	Biodiversity: Basic concepts, Convention on Biodiversity-Earth Summit. Types and Levels of Biodiversity	Lecture	Seminar
13	Mar I	04	Value of Biodiversity; Threats to biodiversity Biodiversity Hot spots in India. Biodiversity in North Eastern Himalayas and Western Ghats.	Discussion, Lecture	Debate
14	Mar II	04	Principles of conservation: (Ex-situ & In-situ conservation methods), IUCN threat-categories, RED databook	Lecture, PPT	Quiz
15	Mar III	04	Role of NBPGR and NBA in the conservation of Biodiversity.	Lecture	Group discussion




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Paper IV: Plant Physiology and Metabolism

Year: 2021-22

Semester: 4

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	Physical properties of water, Importance of water to plant life. Diffusion, imbibition and osmosis; concept & components of Water potential.	Lecture, PPT Discussion,	-
2	Apr III	04	Absorption and transport of water and ascent of sap.	Lecture, Q&A	Assignment
3	Apr IV	04	Transpiration –Definition, types of transpiration, structure and opening and closing mechanism of stomata.	Lecture, PPT Q&A	Assignment
4	May I	04	Mineral Nutrition: Essential elements (macro and micronutrients) and their role in plant metabolism, deficiency symptoms.	Lecture	
5	May II	04	Mineral ion uptake (active and passive transport). Nitrogen metabolism- biological nitrogen fixation in <i>Rhizobium</i> , outlines of protein synthesis (transcription and translation).	Lecture, PPT, Q&A	Assignment
6	May III	04	Enzymes: General characteristics, mechanism of enzyme action and factors regulating enzyme action.	Lecture, PPT Discussion	Seminar
7	May IV	04	Photosynthesis: Photosynthetic pigments, photosynthetic light reactions, photo-phosphorylation, carbon assimilation pathways: C ₃ , C ₄ , and CAM	Lecture, PPT Discussion	Seminar
8	Jun I	04	Photorespiration and its significance.	Lecture, PPT	Assignment
9	Jun II	04	Translocation of organic solutes: mechanism of phloem transport, source-sink	Lecture, PPT Q&A	Assignment
10	Jun III	04	Respiration: Glycolysis, anaerobic respiration, TCA cycle, electron transport system. Mechanism of oxidative phosphorylation.	Lecture, PPT	Seminar
11	Jun IV	04	Lipid Metabolism: Types of lipids, Beta-oxidation	Lecture	
12	Jul I	04	Growth and development: definition, phases and kinetics of growth	Lecture, PPT	Assignment
13	Jul II	04	Physiological effects of phytohormones - Auxins, Gibberellins,	Lecture	
14	Jul III	04	Physiological effects of phytohormones - Cytokinins, ABA and Ethylene.	Lecture, PPT Q&A	Assignment
15	Jul IV	04	Physiology of flowering -photoperiodism, role of phytochrome in flowering; Vernalization.	Discussion Q&A	

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Botany- Teaching Plan

Paper V: Cell Biology, Genetics and Plant Breeding

Year: 2021-22

Semester: 5

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	Cell, the unit of life- Cell theory, Prokaryotic and eukaryotic cells; Eukaryotic cell components.	Lecture Q&A	-
2	Apr III	04	Ultra structure and functions of cell wall and cell membranes.	Lecture Q&A	Seminar
3	Apr IV	04	Chromosomes: morphology, organization of DNA in a chromosome (nucleosome model), Euchromatin and heterochromatin.	Lecture, PPT	Assignment
4	May I	04	DNA as the genetic material: Griffith's and Avery's transformation experiment, Hershey – Chase bacteriophage experiment.	Lecture, PPT Q&A	
5	May II	04	DNA structure (Watson & Crick model) and replication of DNA (semi-conservative)	Lecture, PPT Q&A	Assignment
6	May III	04	Types of RNA (mRNA, tRNA, rRNA), their structure and function.	Lecture, PPT Q&A	Seminar
7	May IV	04	Mendel's laws of Inheritance (Mono- and Di- hybrid crosses); backcross and test cross.	Lecture, PPT Q&A	Assignment
8	Jun I	04	Chromosome theory of Inheritance.	Lecture, PPT	
9	Jun II	04	Linkage: concept, complete and incomplete linkage, coupling and repulsion; linkage maps based on two and three factor crosses.	Lecture, PPT	Assignment
10	Jun III	04	Crossing Over: concept & significance.	Lecture, PPT Discussion	
11	Jun IV	04	Introduction and Objectives of plant breeding.	Lecture, PPT Discussion	Seminar
12	Jul I	04	Methods of crop improvement: Procedure, advantages and limitations of Introduction, Selection, and Hybridization (outlines only).	Lecture, PPT Q&A	Assignment
13	Jul II	04	Role of mutations in crop improvement.	Discussion	Seminar
14	Jul III	04	Role of somaclonal variations in crop improvement.	Lecture, PPT	Assignment
15	Jul IV	04	Molecular breeding – use of DNA markers in plant breeding and crop improvement (RAPD, RFLP).	Lecture, PPT Q&A	

Government College for Men (Autonomous), Kadapa
Department of Botany

Teaching Plan

Paper VII : Plant tissue culture and its biotechnological applications

Year: 2021-22

Semester: 6

No. of hours per week: 3

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	03	History of plant tissue culture research - basic principles of plant tissue callus culture, meristem culture, organ culture, Totipotency of cells, differentiation and dedifferentiation	Lecture, PPT Discussion Q&A	-
2	Apr III	03	Methodology - sterilization (physical and chemical methods), culture media, Murashige and Skoog's (MS medium), phytohormones, medium for micro-propagation/clonal propagation of ornamental and horticulturally important plants	Lecture Question & Answer	Assignment
3	Apr IV	03	Callus subculture maintenance, growth measurements, morphogenesis in callus culture – organogenesis, somatic embryogenesis.	Lecture, PPT Q&A	Assignment
4	May I	03	Endosperm culture – Embryo culture -culture requirements – applications, embryo rescue technique.	Lecture	
5	May II	03	Production of secondary metabolites.	Lecture, PPT	Assignment
6	May III	03	Cryopreservation; Germ plasm conservation	Lecture, PPT	Seminar
7	May IV	03	Restriction Endonucleases (history, types I-IV, biological role and application); concepts of restriction mapping	Lecture, PPT Discussion	Seminar
8	Jun I	03	Cloning Vectors: Prokaryotic(pUC 18, pBR322, Ti plasmid and Lambda phage, Eukaryotic Vectors (YAC and briefly PAC)	Lecture, PPT	Assignment
9	Jun II	03	Gene cloning (Bacterial Transformation and selection of recombinant clones, PCR mediated gene cloning)	Lecture, PPT Q&A	Assignment
10	Jun III	03	Construction of genomic and cDNA libraries, screening DNA libraries to obtain gene of interest by complementation technique, colony hybridization	Lecture, PPT	Seminar
11	Jun IV	03	Methods of gene transfer- Agrobacterium-mediated, direct gene transfer by Electroporation, Microinjection, Micro projectile bombardment	Lecture	
12	Jul I	03	Selection of transgenics– selectable marker and reporter genes (Luciferase, GUS, GFP).	Lecture, PPT	Assignment

13	Jul II	03	Applications of Plant Genetic Engineering – crop improvement, herbicide resistance, insect resistance, virus resistance	Lecture	
14	Jul III	03	Genetic modification – transgenic plants for pest resistant (Bt-cotton); herbicide resistance (Round Up Ready soybean); improved agronomic traits – flavr savr tomato, Golden rice); Improved horticultural varieties (Moon dust carnations)	Lecture, PPT, Q&A	Assignment
15	Jul IV	03	Revision	Discussion, Q&A	

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Paper VIII-A1: Biological instrumentation and Methodology

Year: 2021-22

Semester: 6

No. of hours per week: 3

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	03	Principles of microscopy; Light microscopy	Lecture Q&A	-
2	Apr III	03	Fluorescence microscopy; Electron Microscopy (a) Flow cytometry (b) Applications of fluorescence microscopy	Lecture Q&A	Seminar
3	Apr IV	03	pH meter: Principles and instrumentation	Lecture, PPT	Assignment
4	May I	03	Centrifugation: Principles, types of centrifuges, types of rotors, differential and density gradient centrifugation, application.	Lecture, PPT Q&A	
5	May II	03	Principle involved in Spectrophotometer; Spectrophotometric techniques	Lecture, PPT Q&A	Assignment
6	May III	03	Instrumentation: ultraviolet and visible spectrophotometry (single and double beam, double wavelength spectrophotometers	Lecture, PPT Q&A	Seminar
7	May IV	03	Infrared spectrometers.	Lecture, PPT Q&A	Assignment
8	Jun I	03	Chromatographic techniques: Principle and applications – Column - thin layer – paper, affinity and gas chromatography	Lecture, PPT	
9	Jun II	03	Gel filtration - Ion exchange and High performance liquid chromatography	Lecture, PPT	Assignment

			techniques–		
10	Jun III	03	Examples of application for each chromatographic system - Basic principles of electrophoresis.	Lecture, PPT Discussion	
11	Jun IV	03	Understanding the details on the label of reagent bottles.Molarity and normality of common acids and bases	Lecture, PPT Discussion	Seminar
12	Jul I	03	Preparation of solutions.	Lecture, PPT Q&A	Assignment
13	Jul II	03	Dilutions. Percentage solutions.	Discussion	Seminar
14	Jul III	03	Molar, molal and normal solutions.	Lecture, PPT	Assignment
15	Jul IV	03	Revision	Lecture, PPT Q&A	

Q&A: Question &Answer

Government College for Men (Autonomous), Kadapa
Botany- Teaching Plan
IIIPaper VIII-A2: Mushroom Culture and Technology

Year: 2021-22

Semester: 5

No. of hours per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	03	Introduction - history - scope of edible mushroom cultivation,	Lecture Q&A	-
2	Apr III	03	Types of edible mushrooms available in India – <i>Volvariellavolvacea</i> , <i>Pleurotuscitrinopileatus</i> , <i>Agaricusbisporus</i>	Lecture Q&A	Seminar
3	Apr IV	03	Nutritional and medicinal value of edible mushrooms; Poisonous mushrooms.	Lecture, PPT	Assignment
4	May I	03	Pure culture - preparation of medium (PDA and Oatmeal agar medium) sterilization - preparation of test tube slants to store mother culture	Lecture, PPT Q&A	
5	May II	03	preparation of test tube slants to store mother culture	Lecture, PPT Q&A	Assignment
6	May III	03	culturing of <i>Pleurotus</i> mycelium on Petriplates, preparation of mother spawn in saline bottle and polypropylene bag and their multiplication.	Lecture, PPT Q&A	Seminar

7	May IV	03	Infrastructure: Substrates (locally available) Polythene bags, vessels, Inoculation hook, inoculation loop, low cost stove, sieves, culture rack, mushroom unit (Thatched house) water sprayer, tray, small polythene bag.	Lecture, PPT Q&A	Assignment
8	Jun I	03	Mushroom bed preparation - paddy straw, sugarcane trash, maize straw, banana leaves.	Lecture, PPT	
9	Jun II	03	Factors affecting the mushroom bed preparation - Low cost technology, composting technology in mushroom production.	Lecture, PPT	Assignment
10	Jun III	03	Short-term storage (Refrigeration - up to 24 hours) Long term Storage (canning, pickels, papads), drying, storage in saltsolutions.	Lecture, PPT Discussion	
11	Jun IV	03	Nutrition - Proteins - amino acids, mineral elements nutrition - Carbohydrates,	Lecture, PPT Discussion	Seminar
12	Jul I	03	Crude fibre content – Vitamins.	Lecture, PPT Q&A	Assignment
13	Jul II	03	Types of foods prepared from mushrooms; soup, cutlet, omlette, samosa, pickles and curry	Discussion	Seminar
14	Jul III	03	Research Centres - National level and Regional level.	Lecture, PPT	Assignment
15	Jul IV	03	Cost benefit ratio - Marketing in India and abroad, Export Value.	Lecture, PPT Q&A	

Q&A: Question & Answer



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Name of the Department: Chemistry

Name of the Lecturer: Mrs J VENKATA LAKSHMI

Total Hours for Theory: 45 Hours (3h/week)

SEM: V **Class:** III Year

Paper: V (INORGANIC, PHYSICAL & ORGANIC CHEMISTRY)

Total Hours for Practicals: 30 Hours (2h/week)

S.N O	MONTH	W ee k	Hours available		TOPIC COVERED	Addition al Inputs	CURRICULAR ACTIVITY		
			Theory	Practicals			Activity Conduct ed	Hour allott ed	If not, alter nate date
1	Septem ber 2021	IV	3	2	Coordination Chemistry: IUPAC nomenclature - bonding theories - Review of Werner's theory and Sidgwick's concept of coordination- Valence bond theory - geometries of coordination numbers 4- tetrahedral and square planar and 6- octahedral and its limitations,		PPT	1	
2	October 2021	I	3	2	crystal field theory - splitting of d- orbitals in octahedral, tetrahedral and square-planar complexes - low spin and high spin complexes -factors affecting crystal- field splitting energy, merits and demerits of crystal-field theory.	Basic on Molecular Orbital Theory	PPT	1	
3	October 2021	II	3	2	Isomerism in coordination compounds - structural isomerism and stereoisomerism, stereochemistry of complexes with 4 and 6 coordination numbers.				
4	October 2021	III	3	2	Types of magnetic behavior, spin-only formula, calculation of magnetic moments, experimental determination of magnetic susceptibility-Gouy method.	Spin- Orbital Coupling s & Curie- Wiess Law	Student Seminar	1	
5	October 2021	IV	3	2	Thermodynamic stability and kinetic stability, factors affecting the stability of metal complexes, chelate effect, determination of composition of complex by Job's method and mole ratio method	Colourimetric determination of Absorption of complexes	Assignment	1	




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6	November 2021	I	3	2	Nomenclature and classification-nitro hydrocarbons, structure-Tautomerism of nitroalkanes leading to acid and keto form, Preparation of Nitroalkanes, reactivity-halogenation, reaction with HONO (Nitrous acid), Nef reaction and Mannich reaction leading to Micheal addition and reduction.		Quiz		
7	November 2021	I	3	2	Amines(Aliphatic and Aromatic): Nomenclature, Classification into 1°, 2°, 3° Amines and Quarternary ammonium compounds.Preparative methods – 1. Ammonolysis of alkylhalides 2.Gabriel synthesis 3. Hoffman's bromamide reaction (mechanism).	Amines applications in CO2 capture technology			
8	November 2021	II	3	3	Reduction of Amides and Schmidt reaction. Physical properties and basic character - Comparative basic strength of Ammonia, methyl amine, dimethyl amine, trimethyl amine and aniline.		Student Seminar	1	

9	November 2021	III	3	2	comparative basic strength of aniline, N- methylaniline and N,N-dimethyl aniline (in aqueous and non- aqueous medium), steric effects and substituent effects. Chemical properties: a) Alkylation b) Acylation c) Carbylamine reaction d) Hinsberg separation e) Reaction with Nitrous acid of 1°, 2°, 3° amines				
10	November 2021	I V	3	2	Electrophillic substitution of Aromatic amines – Bromination and Nitration. Oxidation of aryl and Tertiary amines ,Diazotization.	Synthesis of Azodye			
11	December-2021	I	3	2	The first law of thermodynamics- statement, definition of internal energy and enthalpy. Heat capacities and their relationship. Joule-Thomson effect- coefficient.		Assignme nt	1	
12	December-2021	II	3	2	Calculation of w, for the expansion of perfect gas under isothermal and adiabatic conditions for eversible processes.		Quiz		
13	December-2021	III	3	2	State function. Temperature dependence of enthalpy of formation-Kirchoffs equation. Second law of thermodynamics.				
14	December-2021	I V	3	2	Different Statements of the law. Carnot cycle and its efficiency. Carnot theorem.		Assignme nt	1	
15	January-2022	I	3	2	Concept of entropy, entropy as a state function, entropy changes in reversible and irreversible processes. Entropy changes in spontaneous and equilibrium processes.				

GOVERNMENT COLLEGE FOR MEN (A) KADAPA,**Annual Circular Plan for 2021-2022**Name of the Department: **Chemistry**

SEM: VI Class: III Year

Name of the Lecturer: Mrs J VENKATA LAKSHMI

Paper: C₁—Cluster I (FUELS AND BATTERIES)

Total Hours for Theory: 45 Hrs (3h/week)

Total Hours for Practicals: 30 Hours (2h/week)

S.NO	MONTH & WEEK	NO OF HOURS	TOPIC COVERED	CURRICULAR ACTIVITY	CO CURRICULAR ACTIVITY	REMARKS
1	FEB II week	3+2	Renewable and non- Renewable– classification of fuels and their calorific value.	Syllabus and question paper pattern discussion	Motivation towards (Higher education) chemistry	
2	FEB III week	3+2	Coal: Uses of Coal (fuel and non fuel) in various industries Carbonization of coal – coal gas , producer gas and water gas – composition and uses	Assignment	Basic laboratory safety rules	
3	FEB IV week	3+2	Coal liquefaction and solvent refining.	Student Seminar	Periodic table quiz	
4	MARCH I week	3+2	Composition of crude petroleum, refining and different types of petroleum products and their applications.	Student Seminar	Previous PG Entrance question papers practise	
5	MARCH II week	3+2	Reforming petroleum and non petroleum fuels, Fuels from waste , synthetic fuels (gaseous and liquids) , clear fuels.	Assignments	Student Study Projects	
6	MARCH III week	3+2	Petro chemicals : vinyl acetate , propylene oxide , isoprene , butadiene , toluene and its derivative xylene.	Student Seminar	Previous PG Entrance question papers practise	
7	MARCH IV week	3+2	Classification of lubricants , lubricating oils(conducting and non conducting) , solid and semi solid lubricants	FIRST INTERNAL EXAMS	conversions	
8	APRIL I week	3+2	Synthetic lubricants. Properties of lubricants (viscosity index , cloud point , pour point) and their determination .Primary and secondary batteries, battery components.	Student Seminar	Career guidance	
9	APRIL II week	3+2	Battery components and their role	Student Seminar	Online Quiz, PG Entrance coaching	
10	APRIL III week	3+2	Characteristics of Batteries.	Student Seminar	Assignments, PG Entrance coaching	
11	APRIL IV week	3+2	Working of following batteries: Pb acid, Li- Battery, Solid state electrolyte battery.	SECOND INTERNAL EXAMS	Online Quiz, PG Entrance coaching	

16	MAY I week	3+2	Working of Fuel cells,	Student Seminar	Online Quiz, PG Entrance coaching	
17	MAY II week	3+2	Solar cell and polymer cell.	Student Seminar	Workshop on online labs, PG Entrance	

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Name of the Department: **Chemistry**

SEM: VI

Class: III Year

Name of the Lecturer: Mrs J VENKATA LAKSHMI

Paper: CHEMISTRY VII (ENVIRONMENTAL CHEMISTRY)

Total Hours for Theory: 45 Hrs (3h/week)

Total Hours for Practicals: 30 Hours (2h/week)

S.NO	MONTH & WEEK	NO OF HOURS	TOPIC COVERED	CURRICULAR ACTIVITY	CO CURRICULAR ACTIVITY	REMARKS
1	FEB II week	3+2	Concept of Environmental chemistry-Scope and importance of environment in now a days.	Syllabus and question paper pattern discussion	Motivation towards (Higher education) chemistry	
2	FEB III week	3+2	Renewable Resources – Solar and biomass energy and Nonrenewable resources.	Assignment	Basic laboratory safety rules	
3	FEB IV week	3+2	Thermal power and atomic energy. Reactions of atmospheric oxygen and Hydrological cycle.	Student Seminar	Periodic table quiz	
4	MARCH I week	3+2	Sources of air pollution – Classification of air pollution	Student Seminar	Previous PG Entrance question papers practise	
5	MARCH II week	3+2	Green house effect – Formation and depletion of ozone – Bhopal gas disaster	Assignments	Student Study Projects	
6	MARCH III week	3+2	Controlling methods of air pollution.	Student Seminar	Previous PG Entrance question papers practise	
7	MARCH IV week	3+2	Unique physical and chemical properties of water – water quality and criteria for finding of water quality	FIRST INTERNAL EXAMS	Determining the water quality of various samples.	
8	APRIL I week	3+2	Hardness of water – Methods to convert temporary hard water into soft water. Eutrophication.	Student Seminar	Career guidance	
9	APRIL II week	3+2	Toxic chemicals in the environment – effects of toxic chemicals – cyanide and its toxic effects	Student Seminar	Online Quiz, PG Entrance coaching	

10	APRIL III week	3+2	Pesticides and its biochemical effects	Student Seminar	Assignments, PG Entrance coaching	
11	APRIL IV week	3+2	Concepts – structure – Functions and types of eco system. Abiotic and biotic components – Energy flow and Energy dynamics of ecosystem.	SECOND INTERNAL EXAMS	Online Quiz, PG Entrance coaching	
12	MAY I week	3+2	Food chains – Food web – Tropic levels – Biogeochemical cycles (carbon, nitrogen and phosphorus). Definition – level and types of biodiversity.	Student Seminar	Online Quiz, PG Entrance coaching	
13	MAY II week	3+2	Concept - significance – magnitude and distribution of biodiversity. biogeographical classification of india– biodiversity at national, global and regional level.	Student Seminar	Workshop on online labs, PG Entrance coaching	




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Name of the Department: **Chemistry**

SEM: IV Class: II Year

Name of the Lecturer: Mrs J VENKATA LAKSHMI Paper: CHEMISTRY IV (INORGANIC, ORGANIC & PHYSICAL CHEMISTRY)

Total Hours for Theory: 60 Hrs (4h/week)

Total Hours for Practicals: 30 Hours (2h/week)

S.NO	MONTH & WEEK	NO OF HOURS	TOPIC COVERED	CURRICULAR ACTIVITY	CO CURRICULAR ACTIVITY	REMARKS
1	June III week	4+2	Organometallic compounds- Introduction, classification, Concept of hapticity.	Syllabus and question paper pattern discussion	Motivation towards (Higher education) chemistry	
2	June IV week	4+2	Metal carbonyls- 18 electron rule, preparation, P-acceptor behaviour of CO.	Assignment	Basic laboratory safety rules	
3	July I week	4+2	Carbohydrates-occurrence, classification, biological importance, straight chain structure of glucose, epimers, anomers, mutarotation.	Student Seminar	quiz	
4	July II week	4+2	Cyclic structure of glucose, fructose, Haworth projections and conformational structures, interconversions, killani- fischer synthesis, Ruffs degradation.	Student Seminar	Previous PG Entrance question papers practise	
5	July III week	4+2	Aminoacids- Introduction, classification and preparation.	Assignments	Student Study Projects	
6	July IV week	4+2	Aminoacids- physical and chemical properties. Heterocyclic compounds- introduction, classification & Biological importance	Student Seminar	Previous PG Entrance question papers practise	
7	August I week	4+2	Pyrrole, Furan, Thiophene, Preparations and properties.	1 st Internal Exam		
8	August II week	4+2	Aromaticity, Acidic nature of pyrrole, Pyridine- preparation, properties and basic nature.	Student Seminar	Career guidance	
9	August III week	4+2	Nitro Hydrocarbons- Nomenclature, Classification, Structure, Tautomerism, Preparation & Properties.	Student Seminar	Online Quiz, PG Entrance coaching	
10	August IV week	4+2	Amines-Introduction, Chirality, Classification, Preparation & Properties	Student Seminar	Assignments, PG Entrance coaching	

11	Sept I week	4+2	Diazonium Salts – Preparation & Synthetic Applications. PhotoChemistry- Differences between Thermal and Photochemical processes, Laws of Photochemistry.	SECOND INTERNAL EXAMS	Online Quiz, PG Entrance coaching	
12	Sept II week	4+2	Quantum Yield, Fluorescence, Jablonski Diagram, Phosphorescence, Photosensitized reactions. Thermodynamics – First law, Internal energy, enthalpy, Heat capacities and their relationship.	Student Seminar	Online Quiz, PG Entrance coaching	
13	Sept III week	4+2	Joule Thomson effect, Temperature dependence of enthalpy of formation, Kirchoff's Equation, Second law of Thermodynamics, Carnot cycle, Carnot Theorem, Concept of entropy, Third law of Thermodynamics.	Student Seminar	Workshop on online labs, PG Entrance coaching	
14	Sept IV week	4+2	Revision	Revision	Quiz	



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**GOVERNMENT COLLEGE FOR MEN (A) KADAPA,
BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM 2020-21**

Name of the Department: **Chemistry**

SEM: III

Name of the Lecturer: **B. Rajeswari**

Total hours/Credits: 60/2

S.NO	MONTH & WEEK	NO OF HOURS	TOPIC COVERED	CURRICULAR ACTIVITY	CO CURRICULAR ACTIVITY	REMARKS
1	NOVEMBER I week	4+3	Explanation of fundamentals in chemistry	Teaching & Practicals	Motivation towards (Higher Education) chemistry	
2	II week	4+3	Dictation of syllabus, explanation of question paper pattern	Teaching & Practicals	Basic concepts studied in intermediate	
3	III week	4+3	Characteristic properties of d- block elements	Teaching & Practicals	Basic laboratory safety rules	
4	IV week	4+3	Variable oxidation states and d-d transitions	Teaching & Practicals	Student seminar	
5	December I week	4+3	Magnetic properties, complex forming ability and catalytic properties of transition elements	Teaching & Practicals	Group discussion	
6	II week	4+3	Carbonyl compounds, Nomenclature, preparation methods, reactivity and physical properties.	Teaching & Practicals	Student Study Projects	
7	III week	4+3	Nucleophilic addition reactions of carbonyl compounds	Teaching & Practicals	Student Study Projects	
8	IV week	4+3	Name reactions of carbonyl compounds	Teaching & Practicals	Assignment	
9	V week	3+3	Oxidation and reduction reactions, Analysis of carbonyl compounds	Teaching & Practicals	Debate	
10	January I week	2+3	Introduction to f- block elements, Ln contraction characteristic properties of Lanthanides.	Teaching & Practicals	Career guidance	
11	II week	3+3	Characteristic properties of Actinides, comparison between d & f block elements	Teaching & Practicals	Student seminar	
	III week		PONGAL HOLIDAYS			
12	IV week	3+3	Alkyl halides-Nomenclature, preparation, properties, S _N 1 & S _N 2 reactions of Alkyl halides.	Teaching & Practicals	Online Quiz	
13	V week	3+3	Theories of bonding in metals 1. Free electron theory, Valence bond theory, Molecular theory.	Teaching & Practicals	Assignment	

14	February I week	4+3	Alcohols-Nomenclature, preparation and properties of alcohols. Distinction between 1 ^o , 2 ^o , 3 ^o alcohols, Acidic nature of phenol, pinacol-pinacolone rearrangement	Teaching & practicals	Online Quiz	
15	II week	4+3	Metal carbonyls- classification, structure of metal carbonyls, EAN, Metallocenes	Teaching & practicals	Student seminar	
16	III week	3+0	Carboxylic acids-classification, preparation methods, and properties of carboxylic acids and derivatives.	Teaching & practicals	Online Quiz	
17	IV week	4+3	Active methylene compounds keto enol tautomerism, synthesis and applications of EAA.	Teaching & practicals	Celebration of National Science day	
18	March I week	4+3	Synthesis and applications of Malonic ester. Revision. Explanation of previous papers	Teaching & practicals	Online Quiz	
19	II week	4+3	Commencement of practical examinations			
20	III week	4+3	Commencement of SEMESTER END EXAMS	20	III week	




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**GOVERNMENT COLLEGE FOR MEN (A) KADAPA,
BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM 2021-2022**

Name of the Department: **Chemistry**

SEM: VI

P A P E R -VIII CLUSTER-II

Name of the Lecturer: **B. Rajeswari**

Total hours/Credits: 45/2

S.NO	MONTH & WEEK	NO OF HOURS	TOPIC COVERED	CURRICULAR ACTIVITY	CO CURRICULAR ACTIVITY	REMARKS
1	FEB II week	3+2	Explanation of fundamentals in chemistry	Teaching & Practicals	Motivation towards (Higher education) chemistry	
2	FEB III week	3+2	Dictation of syllabus, explanation of question paper pattern	Teaching & Practicals	Basic concepts studied in intermediate	
3	FEB IV week	3+2	Periodicity in s and p block elements. Allotropy in C,S& P.	Teaching & Practicals	Basic laboratory safety rules	
4	MARCH I week	3+2	Inert pair effect, Diagonal relationship and anomalous behaviour of first member of each group.	Teaching & Practicals	Periodic table quiz using www.sporacal.com	
5	MARCH II week	3+2	Manufacturing of Glass, composition and properties of the different type of glasses.	Teaching & Practicals	Importance of World earth day	
6	MARCH III week	3+2	Manufacture of imp types of ceramics and their applications. Classification and manufacturing of cement.	Teaching & Practicals	Student Study Projects	
7	MARCH IV week	3+2	Classification of fertilizers. Manufacturing of Urea, Ammonium nitrate, calcium ammonium nitrate.	Teaching & Practicals	Student Seminars	
8	APRIL I week	3+2	Manufacturing of Ammonium phosphate, polyphosphate, superphosphate, compound and mixed fertilizers.	Teaching & Practicals	Assignments	
9	APRIL II week	3+2	Potassium fertilizers, Objectives of surface coatings, preliminary treatment and classification of surface coatings.	Teaching & Practicals	conversions	
10	APRIL III week	3+2	Formulation, composition and properties of paints and pigments.	Teaching & Practicals	Career guidance	
11	APRIL IV week	3+2	Fillers,Thinners,Enamels and emulsifying agents.	Teaching & practicals	I internal exams, PG Entrance coaching	

16	MAY I week	3+2	Different types of Special paints	Teaching & practicals	Online Quiz, PG Entrance coaching	
17	MAY II week	3+2	Classification of alloys. Specific properties of elements in alloys. Manufacture of steel.	Teaching & Practicals	Assignments, PG Entrance coaching	
18	MAY III week		Preparation and explosive properties of lead azide. Introduction to rocket propellents. Explanation of previous papers Verification of records Commencement of practicals	Teaching & practicals	Online Quiz, PG Entrance coaching	

**GOVERNMENT COLLEGE FOR MEN (A) KADAPA,
Annual Circular Plan for 2021-2022**

Name of the Department: Chemistry

SEM: V **Class:** III Year

Name of the Lecturer : Mrs B.Rajeswari

Paper: V (INORGANIC, PHYSICAL & ORGANIC CHEMISTRY)

Total Hours for Theory: 45 Hours (3h/week)

Total Hours for Practicals: 45 Hours (3h/week)

S.N O	MONTH	W e e k	Hours available		TOPIC COVERED	Addition al Inputs	CURRICULAR ACTIVITY		
			The ory	Practic als			Activity Conduct ed	Hour s allott ed	If not, alter nate date
1	Septem ber 2021	IV	3	2	Coordination Chemistry: IUPAC nomenclature - bonding theories - Review of Werner's theory and Sidgwick's concept of coordination - Valence bond theory - geometries of coordination numbers 4- tetrahedral and square planar and 6- octahedral and its limitations,		PPT	1	
2	Octobe r 2021	I	3	2	crystal field theory - splitting of d- orbitals in octahedral, tetrahedral and square-planar Complexes - low spin and high spin complexes -factors affecting crystal-field splitting energy, merits and demerits of crystal-field theory.	Basic on Molecula r Orbital Theory	PPT	1	2
3	Octobe r 2021	II	3	2	Isomerismin coordination compounds - structural isomerism and stereoisomerism, stereochemistry of complexes with 4 and 6 coordination numbers.				

4	October 2021	III	3	2	Types of magnetic behavior, spin-only formula, calculation of magnetic moments, experimental determination of magnetic susceptibility-Gouy method.	Spin-Orbital Couplings & Curie-Wiess Law	Student Seminar	1	
5	October 2021	IV	3	2	Thermodynamic stability and kinetic stability, factors affecting the stability of metal complexes, chelate effect, determination of composition of complex by Job's method and mole ratio method		Assignment	1	
6	November 2021	I	3	2	Nomenclature and classification-nitro hydrocarbons, structure-Tautomerism of nitroalkanes leading to acid and keto form, Preparation of Nitroalkanes, reactivity - halogenation, reaction with HONO (Nitrous acid), Nef reaction and Mannich reaction leading to Michael addition and reduction.		Quiz	6	
7	November 2021	I	3	2	Amines(Aliphatic and Aromatic): Nomenclature, Classification into 1°, 2°, 3° Amines and Quaternary ammonium compounds. Preparative methods – 1. Ammonolysis of alkylhalides 2. Gabriel synthesis 3. Hoffman's bromamide reaction (mechanism).	Amines applications in CO ₂ capture technology	7		
8	November 2021	II	3	3	Reduction of Amides and Schmidt reaction. Physical properties and basic character - Comparative basic strength of Ammonia, methyl amine, dimethyl amine, trimethyl amine and aniline.		Student Seminar	1	8
9	November 2021	III	3	2	comparative basic strength of aniline, N- methylaniline and N,N-dimethyl aniline (in aqueous and non- aqueous medium), steric effects and substituent effects. Chemical properties: a) Alkylation b) Acylation c) Carbylamine reaction d) Hinsberg separation e) Reaction with Nitrous acid of 1°, 2°, 3° amines		9		
10	November 2021	IV	3	2	Electrophilic substitution of Aromatic amines – Bromination and Nitration. Oxidation of aryl and Tertiary amines, Diazotization.	Synthesis of Azodyes			

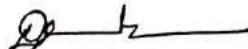
11	December-2021	I	3	2	The first law of thermodynamics- statement, definition of internal energy and enthalpy. Heat capacities and their relationship. Joule- Thomson effect- coefficient.		Assignment	1	
12	December-2021	II	3	2	Calculation of w, for the expansion of perfect gas under isothermal and adiabatic conditions for reversible processes.		Quiz		
13	December-2021	III	3	2	State function. Temperature dependence of enthalpy of formation-Kirchoffs equation. Second law of thermodynamics.				
14	December-2021	I V	3	2	Different Statements of the law. Carnot cycle and its efficiency. Carnot theorem.		Assignment	1	
15	January-2022	I	3	2	Concept of entropy, entropy as a state function, entropy changes in reversible and irreversible processes. Entropy changes in spontaneous and equilibrium processes.				




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Proforma for Annual Curricular Plan (Lecturer wise) : 2021 - 2022

Name of the College: Govt. College for Men (A), Kadapa.					Name of the Department:									
Name of the Lecturer: D. Ganesh				Class: J BZC (EM) BTBC BCH		Year: V/II/III/Sem: II				Paper: II				
S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input/ Value Addition Provided/taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	
	Sept	I												
		II												
		III												
		IV	3	HSAB Theory and principle Applications, Limitations	Lewis acid base theory	Q&A	1	yes	-	Identification of Acids	1/2 hour	yes	-	
		V	2	VB theory - postulates, Examples & Limitations	MO diag. of B_2 & C_2	Q&A	1/2	yes	-	Hybridization of compounds	1/2 hour	yes	-	

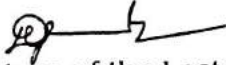

Signature of the Lecturer

Signature of the Department I/C

Signature of the Principal

Proforma for Annual Curricular Plan (Lecturer wise) : 2021 - 2022

Name of the College: Govt. College for Men (A), Kadapa.					Name of the Department:									
Name of the Lecturer:				Class:		Year: I/II/III/Sem:				Paper:				
S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input/ Value Addition Provided/taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Con-ducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	Activity Con-ducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	
	OCT	VI	1	Molecular orbital theory . - LCAO method	VB theory of organic compounds	str. of simple molecules	1/2	yes	-	Drawing Hybridization of molecules	1/2	yes	-	
		VII	2	Molecular orbital theory - Diagrams	M.O. diag. of H ₂	Q&A	01	yes	-	Quiz on Hybridization	1	yes		
		VIII	-	Dussarah - vacation										
		IX	3	surface chemistry- Adsorption, Applications	softening of Hard water	Q&A	01	yes	-	-	-	-	-	
		X	3	colloids and stereo chemistry	Tartaric acid R,S configuration	wedge notation	01	yes	-	prep of colloidal sol. & starch	01	yes	-	


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Proforma for Annual Curricular Plan (Lecturer wise) : 2021 - 2022

Name of the College: Govt. College for Men (A), Kadapa.										Name of the Department:				
Name of the Lecturer:					Class:		Year: I/II/III/Sem:				Paper:			
S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input/ Value Addition Provided/taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Con-ducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	Activity Con-ducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	
	NOV	XI	3	stereo chemistry - R & S conf. and E, Z - configurations	Isomers and properties	Q&A	01	yes	—	Identified & stereo isomers in lab	01	yes	—	
		XII	—	Internal Examinations	—									
		XIII	—	Semester Examinations	—									
		XIV	—	Semester Examinations	—									
		XV												

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Proforma for Annual Curricular Plan (Lecturer wise) : 20 21 - 2022

Name of the College: Govt. College for Men (A), Kadapa.					Name of the Department:										
Name of the Lecturer:				Class: <u>II B Z c</u>		Year: <u>I/II/III/Sem: <u>III</u></u>				Paper:					
S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input/ Value Addition Provided/taught	Curricular Activity				Co-Curricular Activity				Remarks	
						Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date		
	DEC	I	1	Spectroscopy - Introduction	EMR wavelength, frequency.	QA	1/2	NO	-	-	-	-	-	-	-
		II	2	Rotational spectroscopy.	Bond length Bond energy	QA	1/2	yes	-	Discussion	1/2	yes			
		III	2	Vibrational spectroscopy - Introduction & Deg. of freedom	Simple Harmonic oscillator	QA	1/2	yes	-	Discussion	1/2	yes			
		IV	2	Vibrational spectroscopy - selection rules	Vibrational frequencies	QA	1/2	yes	-	Quiz	1/2	yes			
		V	2	Vibrational spectroscopy - Vib. transitions	EMR	QA	1/2	yes	-	Assignment	1	yes			

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Proforma for Annual Curricular Plan (Lecturer wise) : 2021 - 2022

Name of the College: Govt. College for Men (A), Kadapa.					Name of the Department:									
Name of the Lecturer:				Class:		Year: I/II/III/Sem:				Paper:				
S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input/ Value Addition Provided/taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	
	JAN	VI	—	—	—	—	—	—	—	—	—	—	—	
		VII	2	pongal holidays Electromagnetic spectroscopy Introduction, molecular orbitals	—									
		VIII		pongal holidays										
		IX	2	molecular orbitals, EMR spectrum Internal Exams	EMR	QA	1/2	yes	—	Discu- ssion	1/2	yes	—	
	FEB	X	2	Electromagnetic spectroscopy - selection rules, conjugation	spectrum of radiation	QA	1/2	yes	—	Quiz	1/2	yes		

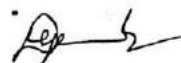

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Proforma for Annual Curricular Plan (Lecturer wise) : 2021 - 2022

Name of the College: Govt. College for Men (A), Kadapa.					Name of the Department:									
Name of the Lecturer:				Class:		Year: I/II/III/Sem:				Paper:				
S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input/ Value Addition Provided/taught	Curricular Activity				Co-Curricular Activity				Rer
						Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	
	FEB	XI	2	NMR spectroscopy - principles	Electromagnetism	QA	1/2	Yes		Discussion	1/2	Yes		
		XII	2	NMR - spectroscopy - chemical shift	EMR	QA	1/2	Yes		Discussion	1/2	Yes		
		XIII	2	NMR spectroscopy - Applications	MRI scan	QA	1/2	Yes		Discussion	1/2	Yes		
		XIV	2	Applications of NMR spectroscopy - Woodward rules	CT scan	QA	1/2	Yes		Discussion	1/2	Yes		
		XV		Inter-med Exams										


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Proforma for Annual Curricular Plan (Lecturer wise) : 2021 - 2022

Name of the College: Govt. College for Men (A), Kadapa.										Name of the Department:				
Name of the Lecturer:				Class:		Year: I/II/III/Sem:				Paper:				
S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input/ Value Addition Provided/taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	
	MAR	I		— II internal Exams —										
		II	2	Fingerprint region, IR spectra of Alkane, -CHO, -C=O, -COOH	NMR signal splitting	BA	1/2	yes	—	Discussion	1/2	yes	—	
		III	2	Remedial coaching Practical Exams	—									
		IV	2	Remedial coaching Semester Exams										
		V												

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Proforma for Annual Curricular Plan (Lecturer wise) : 2021 - 2022

Name of the College: Govt. College for Men (A), Kadapa.										Name of the Department:				
Name of the Lecturer:					Class:		Year: I/II/III/Sem:			Paper:				
S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input/ Value Addition Provided/taught	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If Not. Alternate Date	
	APR	VI	2	Remedial coaching	_____→									
		VII		Semester Examinations	_____									
		VIII		Semester Examinations	_____									
		IX												
		X												

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Government College for Men (Autonomous): Kadapa**Department of Computer Science****Teaching Plan****Computer Fundamentals and Office Tools (B.Com – C.A)**

Year: 2021 - 2022

Semester: I

No. of hour per week: 4

Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	November & IV	04	Basics of Computers: Definition of a Computer - Characteristics and Applications of Computers – Block Diagram of a Digital			
2	November & V	04	Computer – Classification of Computers based on size and working – Central Processing Unit – I/O Devices.			
3	December & II	04	Primary, Auxiliary and Cache Memory – Memory Devices. Software, Hardware, Firmware and People ware.			
4	December & III	04	Definition and Types of Operating System Functions of an Operating System – MS-DOS – MS Windows – Desktop,.			
5	December & IV	04	Computer, Documents, Pictures, Music, Videos, Recycle Bin, Task Bar – Control Panel. MS-Word: Features of MS-Word – MS-Word Window Components –.			
6	December & V	04	Creating, Editing, Formatting and Printing of Documents – Headers and Footers – Insert/Draw Tables, Table Auto format.			
7	January & II	04	Page Borders and Shading – Inserting Symbols, Shapes, Word Art, Page Numbers, Equations – Spelling and Grammar – Thesaurus – Mail Merge			
8	January & IV	04	MS-PowerPoint: Features of PowerPoint – Creating a Blank Presentation - Creating a Presentation using a Template -.			
9	January & V	04	Inserting and Deleting Slides in a Presentation – Adding Clip Art/Pictures -Inserting Other Objects, Audio, Video - Resizing and Scaling of an Object			

10	February & I	04	Slide Transition – Custom Animation. MS-Excel: Overview of Excel features – Creating a new worksheet, selecting cells, Entering and editing Text,			
11	February & II	04	Entering and editing Numbers, Formulae, referencing cells – Inserting Rows/Columns – Changing column widths and row heights, auto format, changing font sizes, colors, shading			
12	February & III	04	Revision			
13	February & IV	04	Revision			
14	March & I	04	Revision			
15	March & II	04	Revision			

BOOKS

1. Introduction to Computers Peter Norton
2. Fundamentals of Computers Raja Raman V Adabala N
3. Computer Fundamentals Anita Goel Pearson India
4. Fundamentals of Computers by Balagurusamy, McGraw Hill
5. Microsoft Office 2016 Step by Step by Joan Lambert, Curtis Frye
6. Office 2016 All-in-One For Dummies Peter Weverka
7. Microsoft Office Professional 2013 By Beth A. Melton, Mark Dodge, Echo Swinford, Andrew Couch



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
PROGRAMMING IN C
I B.A CA –PAPER-II

Year: 2021 - 2022
 No. of hour per week: 4

Semester: II
 Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	June&III	04	Introduction to A l g o r i t h m s: Algorithm - Key f e a t u r e s o f Algorithms - examples o f Algorithms, Flow Charts.			
2	June&IV	04	Introduction to C: Structure of C Program, Writing the first C Program, Files used in C Program, Compiling and Executing C Programs, Using Comments, K e y w o r d s, Identifiers			
3	July & I	04	Basic Data Types in C, Variables, Constants, I/O Statements in C, Operators in C, Type Conversion and Type Casting.			
4	July & II	04	Decision Control and Looping Statements: Introduction to Decision Control Statements, Conditional Branching Statements.	Assignment		
5	July & III	04	Iterative Statements, Nested Loops, Break and Continue Statement, Goto Statement. Functions: Introduction, using functions.			
6	July & IV	04	Function declaration/ prototype – Function definition function call – return statement – Passing parameters, Recursive functions.	Seminar		
7	August & I	04	Function declaration/ prototype – Function definition function call – return statement – Passing parameters, Recursive functions.			
8	August & II	04	Arrays: Introduction, Declaration of Arrays, accessing elements of the Array – Storing Values in Array, one dimensional array -declaration, initialization, accessing one dimensional array, passing one dimensional array to function.			
9	August & III	04	two dimensional Arrays - declaration, initialization, accessing two dimensional arrays, passing two dimensional arrays to functions.	Seminar		
10	August & IV	04	Strings: Introduction, String and Character functions, String Operations using, String functions-strcat (), strcmp (), strcpy (), strlen ().			

11	September & I	04	Pointers: declaring Pointer Variable, Pointer Expressions and Pointer Arithmetic, Passing Arguments to Functions using Pointers.	Assignment		
13	September & II	04	Memory Allocation in C Programs, Drawbacks of Pointers.			
14	September & III	04	Structures: Introduction to structures, Arrays of Structures, Nested Structures. Union, and Enumerated Data Types.			
15	September & IV	04	Introduction to Union – accessing union elements, Enumerated Data Types.			

BOOKS

1. E Balagurusamy— Programming in ANSI C Tata McGraw-Hill publications.
2. Brain W Kernighan and Dennis M Ritchie - The 'C' Programming language” – Pearson publications.
3. Ashok N Kamthane: Programming with ANSI and Turbo C, Pearson Edition Publications.
4. Yashavant Kanetkar – Let Us 'C' BPB Publications.



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 PRINCIPAL
 GOVT. COLLEGE FOR MEN (A)
 KADAPA.

Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Database Management System(II B. A)

Year: 2021 - 2022
 No. of hour per week: 4

Semester:III
 Total hours/credits: 60/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	November & IV	03	Overview of DBMS: introduction, file-based system, drawbacks of file-based system,	BB, PPT	-	
2	December & I	03	data and information, database, DBMS, objectives of DBMS	BB, PPT		
3	December & II	03	DBMS approach, advantages of DBMS, data models	BB, PPT		
4	December & III	03	Evaluation of DBMS and classification of DBMS, ,	BB, PPT	Assignment	
5	December & IV	03	Components and interfaces of DBMS. database architecture, DBMS vendors.	BB, PPT		
6	January & I	03	E-R Model: Introduction, the building blocks of an E-R diagram, classification of entity sets	BB, PPT	Seminar	
7	January & II	03	Attribute classification, relationship degree, relationship classification,	BB, PPT		
8	January & III	03	EER model, generalization and specialization, aggregation and composition.	BB, PPT		
9	January & IV	03	SQL: Introduction, SQL Standard, History of SQL, Data Types in SQL.	BB, PPT	Seminar	
10	February & I	03	DDL commands, Selection, Projection operations, Aggregate functions.	BB, PPT		
11	February & II	03	DML commands, Table Modification Commands, Table Truncation,	BB, PPT		

12	February & III	03	Set Operation, Imposition of Constraints	BB, PPT	Assignment	
13	February & IV	03	PL/SQL: Introduction, Structure of PL/SQL, PL/SQL Language Elements, Data Types	BB, PPT		
14	March & I	03	Control Structure, create aPL/SQL, Program, Iterative Control, Cursors, create a Cursors	BB, PPT		
15	March & II	03	Procedure, Function, Packages, Exceptions Handling, Database Triggers.	BB, PPT		

Reference Books

1. S. Sumathi, S. Esakkirajan, Fundamentals of RDBMS, Springer Publications
2. J. D. Ullman, "Principles of Database Systems"
3. Bipin C Desai, "An Introduction to Database Systems"
4. R. Elmasri and S. Navathe, "Fundamentals of Database Systems"
5. Raghu Ramakrishnan, "Database Management Systems", McGrawhill, 2002,
6. ASilberschatz, HKorth, and S. Sudarshan, "Database System Concepts", McGrawhill, 2010.



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Object Oriented Programming Using Java

Year: 2021 - 2022

No. of hour per week: 4

Semester: IV

Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	July & II	04	FUNDAMENTALS OF OBJECT – ORIENTED PROGRAMMING :Introduction Object Oriented paradigm, Basic Concepts of OOP, Benefits of OOP, Java features			
2	July & III	04	OVERVIEW OF JAVA LANGUAGE : Simple Java program structure, Java tokens, Implementing a Java Program, Java Virtual Machine, Command line arguments, CONSTANTS, VARIABLES & DATATYPES : Constants			
3	July & IV	04	Variables, Data Types, Declaration of Variables, Giving Value to Variables, Getting Value of Variables, Operators in Java.			
4	July & V	04	DECISION MAKING & BRANCHING : Decision making with if statement- Simple if statement, If - Else statement, Nesting of if- else statements, The else if ladder, The switch statement, The conditional operator, LOOPING : The While statement			
5	August & I	04	do-while statement, for statement, CLASSES, OBJECTS & METHODS : Defining a class, Adding variables, Adding methods, Creating objects, Accessing class members, Constructors, Method overloading, Static members.			
6	August & II,	04	INHERITANCE : Extending a class, types, single inheritance program			
7	August & III, IV	04	Revision, Internal Exams Overriding methods, Final variables and methods, Final classes, Abstract methods and classes.			
8	September & I	04	ARRAYS, STRINGS : Arrays, One-dimensional arrays, Two – dimensional arrays, Strings. INTERFACES : Introduction to multiple inheritance, Defining interfaces, Extending interfaces, Implementing interfaces.			
9	September	04	MULTITHREADED PROGRAMMING : Creating Threads , Extending the Thread s , Stopping a n d Blocking a Thread, Lifecycle of a Thread, Using Thread			

	er & II		Methods. MANAGING ERRORS AND EXCEPTIONS: Types of errors, Compile-time errors , Run-time errors, Exceptions, Exception handling, Multiple Catch Statements, Using finally statement.			
10	Septemb er & III	04	APPLET PROGRAMMING: Local and remote applets, Applets and Applications, Building Applet code, Applet Life cycle:-Initialization state, Running state, Idle or stopped state, Dead state, Display state. PACKAGES: Java API Packages, Creating Packages, Accessing a Package, Using a Package			

BOOKS

1. E.Balaguruswamy, Programming with JAVA, A primer, 3e, TATA McGraw-Hill Company.
2. Core Java: An Integrated Approach, Authored by Dr. R.Nageswara Rao & Kogent Learning Solutions Inc.
3. John R. Hubbard, Programming with Java, Second Edition, and Schaum's outline Series, TATA McGraw-Hill Company.
4. Deitel & Deitel. Java TM: How to Program, PHI (2007).
5. Object Oriented Programming Through Java by P. Radha Krishna, Universities Press (2008)



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Government College for Men (Autonomous): Kadapa
Department of Computer Science/ Applications
Teaching Plan
WEB DESIGNING (II B.A., C.A)

Year: 2021 - 2022
 No. of hour per week: 4

Semester: IV
 Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	November & IV	04	Introduction to HTML, Basic html, Document body text.			
2	November & V	04	Hyperlinks, Adding more formatting, Lists, Tables.			
3	December & II	04	Images, Multimedia Objects, Frames, Forms.			
4	December & III	04	Variables, Data Types, Operators and Expressions, Constants.			
5	December & IV	04	Flow Control Functions in PHP: Switching Flow, Loops, Code Blocks and Browser Output. Working with Functions: Defining Functions, Calling functions, returning the values from User Defined Functions.			
6	December & V	04	Variable Scope, Saving State between Function calls with the Static statement, more about arguments.			
7	January & II	04	Working with Arrays: Arrays, Creating Arrays, some Array-Related Functions.			
8	January & IV	04	Working with Objects: Creating Objects, Object Instance. Working with Strings, Dates and Time: Formatting Strings with PHP.			
9	January & V	04	Investigating Strings with PHP, Manipulating Strings with PHP, Using Date and Time Functions in PHP.			
10	February & I	04	Working with Forms: Creating Forms, Accessing Form - Input with User defined Arrays, Combining HTML and PHP code on a single Page.			
11	February & II	04	Redirecting the user, Sending Mail on Form Submission, Working with File			

			Uploads. Working with Cookies and User Sessions: Introducing Cookies, Setting a Cookie with PHP, Session Function Overview.			
12	February & III	04	Starting a Session, Working with session variables, passing session IDs in the Query String, Destroying Sessions and Unsettling Variables, Using Sessions in an Environment with Registered Users.			
13	February & IV	04	Interacting with MySQL using PHP: MySQL versus MySQL Function, Connecting to MySQL with PHP, Working with MySQL Data. Creating Database Tables.			
14	March & I	04	Creating Menu, Creating Record Addition Mechanism, Viewing Records, Creating the Record Deletion Mechanism, Adding Sub-entities to a Record.			
15	March & II	04	Revision			

References

1. Chris Bates, Web Programming Building Internet Application, Second Edition, Wiley (2007)
2. Head First Servlets and JSP 2 Edition, Bryan Basham, Kathy Sierra Uttam Kumar Roy, Web Technologies from Oxford University Press
3. Julie C. Meloni, PHP My SQL and Apache, SAMS Teach yourself, Pearson Education (2007).
4. Xue Bai Michael Ekedahl, The web warrior guide to Web Programming, Thomson (2006).



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Information Technology (B.Com – C.A)

Year: 2021 - 2022

No. of hour per week: 4

Semester: I

Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	November & IV	04	Introduction: Computer Definition - Characteristics and Limitations of Computer— Generations of Computer, Classification of Computers. Operating System- Function of Operating System- Types of Operating System- Languages and its Types, Types of Printers			
2	November & V	04	Applications of Computer, Basic Components of PC, Computer Architecture - Primary and Secondary Memories- Input and Output Devices.			
3	December & II	04	Operating System- Function of Operating System- Types of Operating System- Languages and its Types, Types of Printers			
4	December & III	04	MS word: Word Processing – Features-Advantages and Applications- Parts of Word Window- Toolbar.			
5	December & IV	04	Creating, Saving, Closing, Opening and Editing of a Document-Moving and Coping a Text-Formatting of Text and Paragraph- Bullets and Numbering-Find and Replace.			
6	December & V	04	Insertion of Objects-Headers and Footers- Page Formatting- Auto Correct- Spelling and Grammar- Mail Merge- Macros			
7	January & II	04	MS-Excel: Features – Spread Sheet-Workbook – Cell-Parts of a Window			
8	January & IV	04	Saving, Closing, opening of a Work Book – Editing – Advantages – Formulas- Types of Function.			
9	January & V	04	Templates –Macros – Sorting- Charts – Filtering.			

10	February & I	04	MS Power Point: Introduction – Starting – Parts-Creating of Tables.			
11	February & II	04	Create Presentation – Templates- Auto Content Wizard-Slide Show-Editing of Presentation			
12	February & III	04	Inserting Objects and charts, Transitions and Animations			
13	February & IV	04	MS Access: Orientation to Microsoft Access - Create a Simple Access Database - Working with Table Data			
14	March & I	04	Modify Table Data - Sort and Filter Records - Querying a Database - Create Basic Queries - Sort and Filter Data in a Query - Perform Calculations in a Query.			
15	March & II	04	Create Basic Access Forms - Work with Data on Access Forms - Create a Report - Add Controls to a Report - Format Reports.			

BOOKS

1. Introduction to Computers Peter Norton
2. Fundamentals of Computers Raja Raman V Adabala N
3. Computer Fundamentals Anita Goel Pearson India
4. Fundamentals of Computers by Balagurusamy, McGraw Hill
5. Microsoft Office 2016 Step by Step by Joan Lambert, Curtis Frye
6. Office 2016 All-in-One For Dummies Peter Weverka
7. Microsoft Office Professional 2013 By Beth A. Melton, Mark Dodge, Echo Swinford, Andrew Couch



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
E COMMERCE & WEB DESIGNING
I BCOM CA –PAPER-II

Year: 2021 - 2022

No. of hour per week: 4

Semester: II

Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	June&III	04	Introduction: Meaning, Nature, Concepts, Advantages, Disadvantages and reasons for Transacting Online, Types of E-Commerce, e-commerce Business Models (Introduction, Key Elements of a Business Model and Categorizing Major E-Commerce Business Models), Forces Behind e-commerce.			
2	June&IV	04	Technology used in E-commerce: The dynamics of World Wide Web and Internet (Meaning, Evolution and Features); ; Designing, Building and Launching e-commerce website (A systematic approach involving decisions regarding selection of hardware, software, outsourcing Vs. in-house development of a website)			
3	July & I	04	Payment Gateways, Online Banking (Meaning, Concepts, Importance, Electronic Fund Transfer, Automated Clearing House, Automated Ledger Posting), Risks Involved in e-payments.			
4	July & II	04	On-line Business Transactions: Meaning, Purpose, Advantages and Disadvantages of Transacting Online, E- Commerce Applications in Various Industries Like {Banking, Insurance, Payment of Utility Bills, Online Marketing,	Assignment		
5	July & III	04	E-Tailing (Popularity, Benefits, Problems and Features), Online Services (Financial, Travel and Career),			
6	July & IV	04	Auctions, Online Portal, Online Learning, Publishing and Entertainment} Online Shopping (Amazon, Snap Deal, Alibaba, Flipkart, etc.)	Seminar		
7	August & I	04	Website designing: Designing a home page, HTML document, Anchor tag Hyperlinks, Head and body section,			

8	August & II	04	Header Section, Title, Prologue, Links, Colorful Pages, Comment, Body Section, Heading Horizontal Ruler,			
9	August & III	04	Paragraph, Tabs, Images and Pictures, Lists and Their Types, Nested Lists, Table Handling.	Seminar		
10	August & IV	04	Frames: Frameset Definition, Frame Definition, Nested Framesets			
11	September & I	04	Forms and Form Elements. DHTML and Style Sheets:Defining Styles, elements of Styles, linking a style sheet to a HTML Document	Assignment		
13	September & II	04	Inline Styles, External Style Sheets, Internal Style Sheets & Multiple Style Sheets.			
14	September & III	04	Revision			
15	September & IV	04	Revision			

BOOKS

- (1) E-commerce and E-business Himalaya publishers
- (2) E-Commerce by Kenneth C Laudon, PEARSON INDIA
- (3) Web Design: Introductory with Mind Tap Jennifer T Campbell, Cengage India
- (4) HTML & WEB DESIGN: TIPS& TECHNIQUES JAMSA, KRIS, McGraw Hill
- (5) Fundamentals of Web Development by Randy Connolly, Ricardo Hoar, Pearson (6) Web Technology, Chris Bates, Wiley Publications



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Government College for Men (Autonomous): Kadapa
Department of Computer Science/ Applications
Teaching Plan
Programming with C & C++(II B.Com., C.A)

Year: 2021 - 2022
 No. of hour per week: 4

Semester: III
 Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	November & IV	04	Introduction: History of C, Structure of C Program.			
2	November & V	04	Basic Data types, Variables, Constants, I/O statements.			
3	December & II	04	Operators and Expressions, Precedence of Operators.			
4	December & III	04	Control Statements: Selection Statements, Iteration Statements.			
5	December & IV	04	Jump Statements Arrays and Strings: Array definition,Types of Arrays.			
6	December & V	04	Strings, String functions, Character Functions.			
7	January & II	04	Pointers: Definition, Pointer variables Functions: The general Form of a Function.			
8	January & IV	04	Function Arguments, The Return Statement, Recursion, Storage Classes, Call by Value and Call by Reference.			
9	January & V	04	User Defined Data types: Structures, Unions, Enumerated data type.			
10	February & I	04	Overview of C++: OOP Concepts, C Versus C++. Classes and Objects: Concept of Classes, Comparison of Structures and Classes.			
11	February & II	04	Friend Functions, Inline Functions - The Scope Resolution Operator. Constructor: Definition, Types of Constructors. Destructor Function.			
12	February	04	Overloading: Definition, Overloading Constructors Operator Overloading: Creating a Member Operator Function.			

	& III					
13	February & IV	04	Inheritance: Definition, Inheritance and Protected members. Types of Inheritance.			
14	March & I	04	Virtual Functions & Polymorphism: Definition, Calling a virtual function through a base class reference			
15	March & II	04	Templates: Generic Functions Exception Handling: Exception handling fundamentals			

References

1. Herbert Schildt "C++: The Complete Reference", 4th Edition - CiteSeerX
2. C++ Programming_D S Malik_7Ed
3. E. Balagurusamy "Object oriented programming with C++
4. R.Ravichandran "Programming with C++"
5. Mastering C by K R Venugopal and Sudeep R Prasad, McGraw Hill
6. Expert C Programming: Deep Secrets Kindle Edition PetervanderLinden
7. Let Us C Yashavant Kanetkar
8. The C++ Programming Language BjarneStroustrup
9. C++ Primer StanleyB.Lippman, JoséeLajoie, BarbaraE.Moo



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Database Management System(II B. COM)

Year: 2021 - 2022
 No. of hour per week: 4

Semester:IV
 Total hours/credits: 60/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	November & IV	03	Overview of DBMS: introduction, file-based system, drawbacks of file-based system,	BB, PPT	-	
2	December & I	03	data and information, database, DBMS, objectives of DBMS	BB, PPT		
3	December & II	03	DBMS approach, advantages of DBMS, data models	BB, PPT		
4	December & III	03	Evaluation of DBMS and classification of DBMS, ,	BB, PPT	Assignment	
5	December & IV	03	Components and interfaces of DBMS. database architecture, DBMS vendors.	BB, PPT		
6	January & I	03	E-R Model: Introduction, the building blocks of an E-R diagram, classification of entity sets	BB, PPT	Seminar	
7	January & II	03	Attribute classification, relationship degree, relationship classification,	BB, PPT		
8	January & III	03	EER model, generalization and specialization, aggregation and composition.	BB, PPT		
9	January & IV	03	SQL: Introduction, SQL Standard, History of SQL, Data Types in SQL.	BB, PPT	Seminar	
10	February & I	03	DDL commands, Selection, Projection operations, Aggregate functions.	BB, PPT		
11	February & II	03	DML commands, Table Modification Commands, Table Truncation,	BB, PPT		

12	February & III	03	Set Operation, Imposition of Constraints	BB, PPT	Assignment	
13	February & IV	03	PL/SQL: Introduction, Structure of PL/SQL, PL/SQL Language Elements, Data Types	BB, PPT		
14	March & I	03	Control Structure, create aPL/SQL, Program, Iterative Control, Cursors, create a Cursors	BB, PPT		
15	March & II	03	Procedure, Function, Packages, Exceptions Handling, Database Triggers.	BB, PPT		

Reference Books

1. S. Sumathi, S. Esakkirajan, Fundamentals of RDBMS, Springer Publications
2. J. D. Ullman, "Principles of Database Systems"
3. Bipin C Desai, "An Introduction to Database Systems"
4. R. Elmasri and S. Navathe, "Fundamentals of Database Systems"
5. Raghu Ramakrishnan, "Database Management Systems", McGrawhill, 2002,
6. ASilberschatz, HKorth, and S. Sudarshan, "Database System Concepts", McGrawhill, 2010.



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Object Oriented Programming with Java (II B. COM)

Year: 2021 - 2022

No. of hour per week: 4

Semester:IV

Total hours/credits: 60/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	November & IV	03	Introduction to OOPs: Problems in Procedure Oriented Approach, Features of Object Oriented Programming, Concepts of Object Oriented Programming.	BB, PPT	-	
2	December & I	03	Introduction to Java: History of Java, Features of Java, The Java Virtual Machine (JVM), Parts of Java program, Naming Conventions in Java,	BB, PPT		
3	December & II	03	Data Types in Java, Reading Input using scanner Class, Displaying Output using System.out.println (), Command Line Arguments. Differences between C++ and Java.	BB, PPT		
4	December & III	03	Operators in Java, Control Statements in Java: if, switch, do... while Loop, while Loop, for loop, break Statement, continue Statement	BB, PPT	Assignment	
5	December & IV	03	Arrays: Definition, Types of Arrays, Advantages of Arrays Strings: Creating Strings, String Class Methods, String Comparison.	BB, PPT		
6	January & I	03	Classes and Objects: Object Creation, Initializing the Instance Variables, Access Specifiers, Constructors	BB, PPT	Seminar	
7	January & II	03	Inheritance: Inheritance, Types of Inheritance Interface: Definition, Multiple Inheritance using Interface	BB, PPT		
8	January & III	03	Polymorphism: Method overloading, Method Overriding, Abstract Classes: Abstract Method and Abstract Class	BB, PPT		
9	January & IV	03	Packages: Java API Packages, Creating Packages, Accessing a Package, Using a Package.	BB, PPT	Seminar	

			Streams: Stream classes, Creating a File using File Output Stream,			
10	February & I	03	Reading Data from a File using File Input Stream, Creating a File using File Writer, Reading a File using File Reader.	BB, PPT		
11	February & II	03	Exception Handling: Errors in Java Program, Predefined Exceptions, throws Clause, throw Clause.	BB, PPT		
12	February & III	03	Threads: Single Tasking, Multi-Tasking, Uses of Threads, Creating a Thread and Running it, Thread Class Methods.	BB, PPT	Assignment	
13	February & IV	03	Revision	BB, PPT		
14	March & I	03	Revision	BB, PPT		
15	March & II	03	Revision	BB, PPT		

Reference Books

1. S. Sumathi, S. Esakkirajan, Fundamentals of RDBMS, Springer Publications
2. J. D. Ullman, "Principles of Database Systems"
3. Bipin C Desai, "An Introduction to Database Systems"
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6. ASilberschatz, HKorth, and S. Sudarshan, "Database System Concepts", McGrawhill, 2010.



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Web Technology --III B.Com

Year: 2021 - 2022
 No. of hour per week: 3

Semester: V
 Total hours/credits: 42/3

<i>S. No.</i>	<i>Month & Week</i>	<i>No. of hours</i>	<i>Topic</i>	<i>Curricular Activity</i>	<i>Co-curricular Activity</i>	<i>Remarks</i>
1	September & II	03	HTML: Basic HTML, Document body, Text, Hyperlinks, adding more formatting, and Lists		-	
2	September & III	03	Tables using images, headings, font tag usig alignment, background colors for wepage and background images for web sites.			
3	September & IV	03	More HTML: Multimedia objects, Frames, advantage of frames, and disadvantages of frames			
4	September & V	03	Form creation usig input tag, Forms towards interactive, HTML document heading detail.			
5	October & II	03	Cascading Style Sheets: Introduction, using Styles, simple examples, and types of Cascading style sheets.			
6	October & IV	03	your own styles, properties and values in styles, style sheet with simple Examples.			
7	October & V	03	Formatting blocks of information, and different layers I cascading style sheets.			
8	November & I	03	Introduction to JavaScript: What is Dynamic HTML, JavaScript basics, variables, and string manipulations in Javascript			
9	November & II	03	mathematical functions, statements, Types of operators, arrays, and functions.			
10	November & III	03	Objects in JavaScript: Data and objects in JavaScript, regular expressions, exception handling.			
11	November & IV	03	DHTML with JavaScript: Data validation, opening a new window, messages and confirmations.			

12	December & I	03	the status bar, different frames, rollover buttons, and moving images is performed with simple example's.			
13	December & II	03	XML: defining data for web applications, basic XML using simple programs.			
14	December & III	03	document type definition, presenting XML, document object model. Web Services.			

Reference Books

1. Harvey M. Deitel and Paul J. Deitel, "Internet & World Wide Web How to Program", 4/e, Pearson Education.
2. Uttam Kumar Roy, Web Technologies from Oxford University Press
3. Jason Cranford Teague "Visual Quick Start Guide CSS, DHTML & AJAX", 4e, "Pearson Education.
4. Tom NerinoDoli smith "JavaScript & AJAX for the web" Pearson Education 2007.
5. Joshua Elchorn "Understanding AJAX" Prentice Hall 2006.
6. Hal Fulton "The Ruby Way", 2e, Pearson Education 2007.
7. David A. Black "Ruby for rails" Dreamtech Press 2006.
8. Bill Dudley, Johathanlehr, Bill Willies, Lery Mattingly "Mastering Java Server Faces" Wiely India 2006.




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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
DBMS--III B.Com

Year: 2021 - 2022
 No. of hour per week: 3

Semester: V
 Total hours/credits: 42/3

<i>S. No.</i>	<i>Month & Week</i>	<i>No. of hours</i>	<i>Topic</i>	<i>Curricula r Activity</i>	<i>Co- curricula r Activity</i>	<i>Remarks</i>
1	September & II	03	Overview of Database Management System: Introduction, Data and Information, Database, Database Management System,		-	
2	September & III	03	Objectives of DBMS, Evolution of Database Management Systems, Classification of Database Management System.			
3	September & IV	03	File-Based System, Drawbacks of File-Based System , DBMS Approach, Advantages of DBMS,			
4	September & V	03	Data Models Components of Database System, Database Architecture, DBMS Vendors and their Products			
5	October & II	03	Entity–Relationship Model: Introduction, The Building Blocks of an Entity–Relationship, Classification of Entity Sets.			
6	October & IV	03	Attribute Classification, Relationship Degree, Relationship Classification, Generalization and Specialization, aggregation and composition,			
7	October & V	03	CODD’S Rules, Relational Data Model, Concept of, Relational Integrity.			
8	November & I	03	Structured Query Language: Introduction, History of SQL Standard, Commands in SQL, Data types in SQL, Data Definition Language (DDL),			

9	November & II	03	Selection Operation Projection Operation, Aggregate Functions, Data Manipulation Language,			
10	November & III	03	Table Modification, Table Truncation, Imposition of Constraints, Set Operations.			
11	November & IV	03	PL/SQL: Introduction, Structure of PL/SQL, PL/SQL Language Elements, Data Types.			
12	December & I	03	Control Structure,, Steps to Create a PL/SQL Program, Iterative Control ,Cursors.			
13	December & II	03	Steps to Create a Cursor, Procedure, Function, Exceptions Handling			
14	December & III	03	Revision			

Reference Books

1. Harvey M. Deitel and Paul J. Deitel, "Internet & World Wide Web How to Program", 4/e, Pearson Education.
2. Uttam Kumar Roy, Web Technologies from Oxford University Press
3. Jason Cranford Teague "Visual Quick Start Guide CSS, DHTML & AJAX", 4e, "Pearson Education.
4. Tom Nerino Doli smith "JavaScript & AJAX for the web" Pearson Education 2007.
5. Joshua Elchorn "Understanding AJAX" Prentice Hall 2006.
6. Hal Fulton "The Ruby Way", 2e, Pearson Education 2007.
7. David A. Black "Ruby for rails" Dreamtech Press 2006.
8. Bill Dudney, Johathanlehr, Bill Willies, Lery Mattingly "Mastering Java Server Faces" Wiely India 2006.



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
E - COMMERCE (III B.Com-CA)-paper-VII

Year: 2021 - 2022
 No. of hour per week:3

Semester: VI
 Total hours/credits: 45/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	January & IV	03	INTRODUCTION TO E COMMERCE :Electronic Commerce Environment and opportunities	BB, PPT	-	
2	February & I	03	Mode of Electronic Commerce: Electronic Data Interchange, Migration to Open EDI,	BB, PPT		
3	February & II	03	Electronic Commerce with WWW/Internet, Commerce Net Advocacy, Web Commerce going forward..	BB, PPT		
4	February & III	03	Approaches to Safe Electronic Commerce: Secure Transport Protocols, Secure Transactions, Secure Electronic Payment Protocol (SEPP),	BB, PPT		
5	February & IV	03	Secure Electronic transaction (SET). Certificates for authentication Security on Web Servers and Enterprise Networks.	Video	Assignment	
6	March & I	03	Electronic Cash and Electronic Payment Schemes:: Internet Monetary Payment & Security Requirements, Payment and Purchase Order Process, On-line Electronic cash.	BB, PPT	Seminar	
7	March & II	03	. Internet / Intranet Security Issues and Solution: The need for Computer Security, Specific Intruder Approaches,	BB, PPT		
8	March & III	03	Security Strategies, Security Tools, Encryption, Enterprise Networking and Access to the Internet, Antivirus Programs, Security Teams.	BB, PPT	Assignment	
9	March & IV	03	Master Card / Visa secure Electronic Transaction: Introduction, Business Requirements, Concepts, Payments Processing	BB, PPT		
10	March & V	03	A Model for Message Handling, E-Mail Handling, Multipurpose Internet Mail Extensions, Message Object Security Services, Comparisons of Security Methods,	BB, PPT		

			MIME and Related Facilities for EDI over the Internet.			
11	April & II	03	Internet Resources for Commerce Introduction: Introduction, Technologies for Web Servers, Internet Tools Relevant to Commerce,	BB, PPT		
12	April & III	03	Internet Applications for Commerce, Internet Charges, Internet Access and Architecture	BB, PPT	Seminar	
13	April & IV	03	Mini Project	BB, PPT		
14	April & V	03	Mini Project	BB, PPT		
15	May & V	03	Revision	BB, PPT		

Text Books Web Commerce Technology Handbook, by Daniel Minoli, Emma Minoli, McGraw-Hill

Reference Books 1. David Whiteley, "E-Commerce", Tata McGraw Hill, 2000.

2. E Business by Parag Kulakarni and SunithaJahirabadkar from Oxford University Press.

3. E Business by Jonathan Reynolds from Oxford University Press.



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 PRINCIPAL
 GOVT. COLLEGE FOR MEN (A)
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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
PHP & MYSQL (III B.Com-CA)

Year: 2021 - 2022
 No. of hour per week:3

Semester: VI
 Total hours/credits: 45/3

S. N o.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	January & IV	03	Building blocks of PHP: Variables, Data Types, Operators and Expressions, Constants. Flow Control Functions in PHP: Switching Flow, Loops.	BB, PPT	-	
2	February & I	03	Code Blocks and Browser Output ,Working with Functions: Defining Functions, Calling functions, returning the values from User- Defined	BB, PPT		
3	February & II	03	Functions, Variable Scope,Saving State between Function calls with the Static statement, more about arguments.	BB, PPT		
4	February & III	03	Working with Arrays: Arrays, Creating Arrays, Some Array-Related Functions. Working with Objects: Creating Objects, Object Instance	BB, PPT		
5	February & IV	03	Working with Strings, Dates and Time: Formatting Strings with PHP, Investigating Strings with PHP,	Video	Assignment	
6	March & I	03	Manipulating Strings with PHP, Using Date and Time Functions in PHP. Working with Forms: Creating Forms, Accessing Form - Input with User defined Arrays,	BB, PPT	Seminar	
7	March & II	03	Combining HTML and PHP code on a single Page, Using Hidden Fields to save state, Redirecting the user, Sending Mail on Form Submission.	BB, PPT		
8	March & III	03	Working with File Uploads. Working with Files and Directories: Including Files with include(), Validating Files, Creating and Deleting Files, Opening a File for Writing, Reading or Appending,	BB, PPT	Assignment	
9	March & IV	03	Reading from Files, Writing or Appending to a File, Working with Directories, Open Pipes to and from Process Using popen (), Running Commands with exec(),	BB, PPT		

10	March & V	03	Running Commands with system () or passthru (). Working with Images: Understanding the Image-Creation Process, Necessary Modifications to PHP, Drawing a New Image,	BB, PPT		
11	April & II	03	Getting Fancy with Pie Charts, Modifying Existing Images, Image Creation from User Input.	BB, PPT		
12	April & III	03	Interacting with MySQL using PHP: MySQL Versus MySQLi Functions, Connecting to MySQL with PHP, Working with MySQL Data.	BB, PPT	Seminar	
13	April & IV	03	Revision	BB, PPT		
14	April & V	03	Revision	BB, PPT		
15	May & V	03	Revision	BB, PPT		

Text Books

Web Commerce Technology Handbook, by Daniel Minoli, Emma Minoli, McGraw-Hill

Reference Books

1. David Whiteley, "E-Commerce", Tata McGraw Hill, 2000.
2. E Business by Parag Kulakarni and SunithaJahirabadkar from Oxford University Press.
3. E Business by Jonathan Reynolds from Oxford University Press.



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KADAPA.

Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
PROBLEM SOLVING IN C

Year: 2021 - 2022

No. of hour per week: 4

Semester: I

Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	November & IV	04	Electronic Computers Then and Now, Computer Hardware: Main Memory, Secondary Memory, Central Processing Unit, Input Devices, Output Devices			
2	November & V	04	Computer Software: System Software, Application Software, Computer Languages, Problem solving Techniques: Flow Chart, Algorithm, Development of algorithms and Flowcharts for simple problems			
3	December & II	04	The Software Development Method, Applying the Software Development Method for Converting Miles to Kilometers.			
4	December & III	04	Introduction to C: Introduction – Structure of C Program – Writing the first C Program – File used in C Program – Compiling and Executing C Programs			
5	December & IV	04	Using Comments – Keywords – Identifiers – Basic Data Types in C – Variables – Constants – I/O Statements in C- Operators in C- Programming Examples.			
6	December & V	04	Decision Control and Looping Statements: Introduction to Decision Control Statements– Conditional Branching Statements Iterative Statements – Nested Loops – Break and Continue Statement – Goto Statement			
7	January & II	04	Arrays: Introduction – Declaration of Arrays – Accessing elements of the Array – Storing Values in Array			
8	January & IV	04	Operations on Arrays – one dimensional, two dimensional and multi dimensional arrays, character handling and strings.			
9	January & V	04	Functions: Introduction – using functions – Function declaration/ prototype – Function definition – function call – return statement			

10	February & I	04	Passing parameters – Scope of variables – Storage Classes – Recursive functions.			
11	February & II	04	Structure, Union, and Enumerated Data Types: Introduction –Structures – Arrays of Structures – Union – Arrays of Unions Variables – Enumerated Data Types.			
12	February & III	04	Pointers: Understanding Computer Memory – Introduction to Pointers – declaring Pointer Variables – Passing Arguments to Functions using Pointer -Memory Usage			
13	February & IV	04	Dynamic Memory Allocation – Drawbacks of Pointers Files: Introduction to Files – Using Files in C – Reading Data from Files – Writing Data to Files – Detecting the Endof-file			
14	March & I	04	Error Handling during File Operations – Accepting Command Line Arguments.			
15	March & II	04	Revision			

BOOKS

1. Hanly J R & Koffman E.B, “Problem Solving and Programm design in C”, Pearson Education, 2009.
2. E Balagurusamy – Programming in ANSIC – Tata McGraw-Hill publications.
3. Brain W Kernighan and Dennis M Ritchie - The ‘C’ Programming language” - Pearson publications.
4. Ashok N Kamthane: Programming with ANSI and Turbo C, Pearson Edition Publications.
5. Yashavant Kanetkar - Let Us ‘C’ – BPB Publications.




PRINCIPAL
GOVT. COLLEGE FOR MEN (A)
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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Data Structures Using C

Year: 2021 - 2022
 No. of hour per week: 4

Semester: II
 Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	June&III	04	UNIT – I Introduction to Data Structures: Introduction to the Theory of Data Structures, Data Representation, Abstract Data Types, Data Types, Primitive Data Types			
2	June&IV	04	Data Structure and Structured Type, Atomic Type, Difference between Abstract Data Types, Data Types, and Data Structures, Refinement Stages.			
3	June&V	04	Analysis of Algorithms: Algorithms, Different Approaches to Designing an Algorithm, Complexity			
4	July & II	04	Introduction to Linear and Non- Linear Data Structures, One-Dimensional Arrays, Array Operations, Two- Dimensional arrays, Multidimensional Arrays, Pointers and Arrays			
5	July & III	04	An Overview of Pointers Linked Lists: Introduction to Lists and Linked Lists, Dynamic Memory Allocation, Basic Linked List Operations			
6	July & IV	04	Doubly Linked List, Circular Linked List, Atomic Linked List, Linked List in Arrays, Linked List versus Arrays			
7	July & V	04	Stacks: Introduction to Stacks, Stack as an Abstract Data Type, Representation of Stacks through Arrays, Representation of Stacks through Linked Lists			
8	August & I	04	Applications of Stacks, Stacks and Recursion Queues: Introduction, Queue as an Abstract data Type			
9	August & II	04	Representation of Queues, Circular Queues, Double Ended Queues- Deques, Priority Queues, Application of Queues			
10	August &	04	Binary Trees: Introduction to Non- Linear Data Structures,			

	III		Introduction Binary Trees, Types of Trees, Basic Definition of Binary Trees			
11	August & IV	04	Properties of Binary Trees, Representation of Binary Trees, Operations on a Binary Search Tree			
12	August & V	04	Binary Tree Traversal, Counting Number of Binary Trees, Applications of Binary Tree			
13	September & II	04	Searching and sorting: Sorting – An Introduction, Bubble Sort, Insertion Sort, Merge Sort, Searching – An Introduction, Linear or Sequential Search			
14	September & III	04	Binary Search, Indexed Sequential Search Graphs: Introduction to Graphs, Terms Associated with Graphs, Sequential Representation of Graphs			
15	September & IV	04	Linked Representation of Graphs, Traversal of Graphs, Spanning Trees, Shortest Path, Application of Graphs.			

BOOKS

1. “Data Structures using C”, ISRD group Second Edition, TMH
2. “Data Structures through C”, Yashavant Kanetkar, BPB Publications
3. “Data Structures Using C” Balagurusamy E. TMH



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Information & Communication Technology

Year: 2021 - 2022

No. of hour per week:2

Semester: II

Total hours/credits:30 /2

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	June&III	02	Fundamentals of Internet: What is Internet?, Internet applications,Internet Addressing –Entering a Web Site Address			
2	June&IV	02	URL–Components of URL, Searching the Internet, Browser – Types of Browsers,Introduction to Social Networking: Twitter, Tumblr			
3	June&V	02	LinkedIn, Facebook, flickr, Skype			
4	July & II	02	yahoo, YouTube, WhatsApp .			
5	July & III	02	E-mail: Definition of E-mail -Advantages and Disadvantages – User Ids, Passwords			
6	July & IV	02	Email Addresses, Domain Names, Mailers, Message Components, Message Composition, Mail Management.			
7	July & V	02	G-Suite: Google drive, Google documents, Google spread sheets, Google Slides and Google forms.			
8	August & I	02	Overview of Internet security, E-mail threats and secure E-mail			
9	August & II	02	Viruses and antivirus software, Firewalls			
10	August & III	02	Cryptography, Digital signatures, Copyright issues.			

11	August & IV	02	What are GOI digital initiatives in higher education? (SWAYAM, SwayamPrabha)			
12	August & V	02	National Academic Depository, National Digital Library of India			
13	September & II	02	E-Sodh-Sindhu, Virtual labs.			
14	September & III	02	e-acharya, e-Yantra and NPTEL			
15	September & IV	02	Revision			

RECOMMENDED CO-CURRICULAR ACTIVITIES: (04 hrs)

(Co-curricular activities shall not promote copying from textbook or from others work and shall encourage self/independent and group learning)

1. Assignments(in writing and doing forms on the aspects of syllabus content and outside the syllabus content. Shall be individual and challenging)
2. Student seminars (on topics of the syllabus and related aspects (individual activity))
3. Quiz and Group Discussion
4. Slip Test
5. Try to solve MCQ's available online.
6. Suggested student hands on activities :
 - Create your accounts for the above social networking sites and explore them, establish a video conference using Skype.
 - Create an Email account for yourself- Send an email with two attachments to another friend. Group the email addresses use address folder.

Register for one online course through any of the online learning platforms like NPTEL, SWAYAM, Alison, Codecademy, Coursera. Create a registration form for your college campus placement through Google forms.

Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Database Management System(II B.Sc)

Year: 2021 - 2022
 No. of hour per week: 4

Semester:III
 Total hours/credits: 60/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	November & IV	03	Overview of DBMS: introduction, file-based system, drawbacks of file-based system, data and information, database, DBMS, objectives	BB, PPT	-	
2	December & I	03	Evaluation and classification of DBMS, DBMS approach, advantages of DBMS, data models	BB, PPT		
3	December & II	03	Components and interfaces of DBMS. database architecture.	BB, PPT		
4	December & III	03	Relational Model: Introduction, CODD Rules, relational data model, concept of key	BB, PPT	Assignment	
5	December & IV	03	Relational integrity, relational algebra, relational algebra operations, advantages and limitations of relational algebra	BB, PPT		
6	January & I	03	Relational calculus, tuple relational calculus, domain relational Calculus.	BB, PPT	Seminar	
7	January & II	03	E-R Model: Introduction, the building blocks of an E-R diagram, classification of entity sets	BB, PPT		
8	January & III	03	Attribute classification, relationship degree, relationship classification, reducing ER diagram to tables, EER model, generalization and specialization	BB, PPT		
9	January & IV	03	IS-A relationship and attribute inheritance, multiple inheritance, aggregation and composition, advantages of ER modeling.	BB, PPT	Seminar	
10	February & I	03	SQL: Introduction, SQL Standard, Commands and Data Types in SQL, DDL, Selection, Projection	BB, PPT		
11	February & II	03	Aggregate functions, DML, Table Modification Commands, Table Truncation, Imposition of Constraints	BB, PPT		

12	February & III	03	Join Operation, Set Operation, View, Sub Query, Embedded SQL.	BB, PPT	Assignment	
13	February & IV	03	PL/SQL: Introduction, Structure of PL/SQL, PL/SQL Language Elements, Data Types	BB, PPT		
14	March & I	03	Operators Precedence, Control Structure, create aPL/SQL, Program, Iterative Control, Cursors, create a Cursors	BB, PPT		
15	March & II	03	Procedure,Function, Packages, Exceptions Handling, Database Triggers.	BB, PPT		

Reference Books

1. S. Sumathi, S. Esakkirajan, Fundamentals of RDBMS, Springer Publications
2. J. D. Ullman, "Principles of Database Systems"
3. Bipin C Desai, "An Introduction to Database Systems"
4. R. Elmasri and S. Navathe, "Fundamentals of Database Systems"
5. Raghu Ramakrishnan, "Database Management Systems", McGrawhill, 2002,
6. ASilberschatz, HKorth, and S. Sudarshan, "Database System Concepts", McGrawhill, 2010.



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Operating Systems

Year: 2021 - 2022

No. of hour per week: 4

Semester: IV

Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	June & III	04	History and Evolution of OS, Basic OS functions, Resource Abstraction, Types of Operating Systems			
2	June & IV	04	Multiprogramming Systems, Batch Systems, Time Sharing Systems, Parallel Systems, Distributed Systems, Operating Systems for Personal Computers, Real time Systems.			
3	July & I	04	Process Management: Process Concept, Process Scheduling,			
4	July & II	04	Operation on Processes, Cooperating Processes, Threads, Inter process Communication	Assignment		
5	July & III	04	CPU Scheduling: Basic concepts, Scheduling Criteria, Scheduling Algorithms, Multiple-Processor Scheduling			
6	July & IV	04	Process Synchronization: Introduction, the Critical Section Problem.	Seminar		
7	August & I	04	Semaphores, Classical Problems of Synchronization, Monitors.			
8	August & II	04	Deadlocks: Deadlock Characterization, Methods for Handling Deadlocks.			
9	August & III	04	Deadlock Prevention, Deadlock Avoidance and Deadlock Detection and Recovery.	Seminar		
10	August & IV	04	Memory Management: Physical and Virtual Address Space; Memory Allocation Strategies.			
11	September & I	04	Fixed and -Variable Partitions, Paging, Segmentation. Virtual Memory: Demand Paging. Page replacement Algorithms, Thrashing, Demand Segmentation.	Assignment		
13	September &	04	File Management & Secondary Storage: Directory Structure, File Operations, File Allocation Methods. Disk Structure, Disk			

	II		Scheduling, Disk Management.			
14	September & III	04	Computer Security Threats: Computer Security Concepts, Threats, Attacks and Assets, Intruders, Malicious Software, Viruses, Worms and Bots, Rootkits.	Seminar		
15	September & IV	04	Computer Security Techniques: Authentication, Access Control, Intrusion Detection, Malware Defense.			

BOOKS

1. Operating System Principles by Abraham Silberschatz, Peter Baer Galvin and Greg Gagne (8th Edition) Wiley India Edition.
2. Operating Systems: Internals and Design Principles by Stallings (Pearson)
3. Operating Systems by J. Archer Harris (Author), Jyoti Singh (Author) (TMH)
4. Online Resources for UNIT V



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Government College for Men (Autonomous): Kadapa
Department of Computer Science

Teaching Plan

Object Oriented Programming Through Java

Year: 2021 - 2022

Semester: IV

No. of hour per week: 4

Total hours/credits:60 /3

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	June III	4+2	Features of Java, JVM, Parts of Java, Naming Conventions, Data Types, Literals, Operators, Operators Priority, if... else, while, do... while, for loop	Green Board, PPT	--	
2	June IV	4+2	switch, break, continue, return Statements, Reading Input with Java.util.Scanner Class, Displaying Output with System.out.printf()	Digital Class, PPT	--	
3	June V	4+2	Displaying Output with String.format(), Arrays: Types of Arrays, 3D array, arrayname.length, Command Line Arguments	Green Board, PPT	Assignment-1	
4	July I	4+2	Methods: program modules, static methods & fields. Math class, Method declaration, scope of declaration, method overloading, 'this' keyword.	Green Board, PPT	Assignment-2	
5	July II	4+2	Arrays: Declaration, initialisation, passing to methods, Multidimensional arrays, variable length argument list.	Digital Class, PPT	Assignment-3	
6	July III	4+2	Strings: creating, using string class methods, string comparison, immutable strings, introduction to OOPs, OOP vs POP.	Green Board, PPT	Seminar-1	
7	July IV	4+2	Features of OOPs, Classes and Objects: object creation, initialization of instance variables	Digital Class, PPT	--	
8	August I	4+2	access specifiers, constructors, Inheritance, types inheritance, super', 'protected' uses,	Digital Class, PPT	Assignment-4	
9	August II	4+2	polymorphism, abstract classes, abstract methods, final methods, final class. Interface – multiple inheritance.	Digital Class, PPT	Seminar-2	
10	August III	4+2	Package: definition, types, JAR files, interfaces in package, creating sub-package, access specifiers in packages, creating API document.	Digital Class, PPT	--	

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
11	August IV	4+2	Exception handling: errors, exceptions, types of exceptions, Exception class hierarchy, key words: try, catch, finally, throw, throws, declaring new exception	Digital Class, PPT	--	
12	September I	4+2	Streams: types, creating file using byte stream class and character stream classes.	Digital Class, PPT	Assignment-5	
13	September II	4+2	Accessing database with JDBC, introduction, relational database, SQL, Creating simple database, manipulating database with JDBC.	Digital Class, PPT	Assignment-6	
14	September III	4+2	Thread: definition, states, creating threads using extending thread class or implementing runnable interface, thread priorities, thread synchronization.	Digital Class, PPT	Seminar-3	
15	September IV	4+2	Applets: creating, use of <APPLET>, simple applet program, applet with swing, animation in applets, applet parameters, simple game with applets.	Digital Class, PPT	--	

Reference Books:

1. Dr. R. Nageswara Rao, Core Java: An Integrated Approach – Kogent Learning Solutions Inc.
2. E. Balaguruswamy, "Programming with JAVA: A primer", 3e, TATA McGraw-Hill Company.
3. John R. Hubbard, "Programming with Java", Second Edition, Schaum's outline Series, TMH.
4. Deitel & Deitel, "Java TM: How to Program", PHI (2007)

Students Activity:

- Assignments, Student Seminars, Quiz, Group Discussion
- Programming exercises, Viva voce interviews, Study projects



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Database Management System(III B.Sc)

Year: 2021 - 2022
 No. of hour per week: 3

Semester: V
 Total hours/credits: 48/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	September & II	03	Overview of DBMS: introduction, file-based system, drawbacks of file-based system, data and information, database, DBMS, objectives	BB, PPT	-	
2	September & III	03	Evaluation and classification of DBMS, DBMS approach, advantages of DBMS, data models	BB, PPT		
3	September & IV	03	Components and interfaces of DBMS. database architecture.	BB, PPT		
4	September & V	03	Relational Model: Introduction, CODD Rules, relational data model, concept of key	BB, PPT		
5	October & II	03	Relational integrity, relational algebra, relational algebra operations, advantages and limitations of relational algebra	BB, PPT		
6	October & IV	03	Relational calculus, tuple relational calculus, domain relational Calculus.	BB, PPT		
7	October & V	03	E–R Model: Introduction, the building blocks of an E–R diagram, classification of entity sets	VC		
8	November & I	03	Attribute classification, relationship degree, relationship classification, reducing ER diagram to tables, EER model, generalization and specialization	VC		
9	November & II	03	IS-A relationship and attribute inheritance, multiple inheritance, aggregation and composition, advantages of ER modeling.	VC		
10	November & III	03	SQL: Introduction, SQL Standard, Commands and Data Types in SQL, DDL, Selection, Projection	BB, PPT		
11	November & IV	03	Aggregate functions, DML, Table Modification Commands, Table Truncation, Imposition of Constraints	BB, PPT		
12	December & I	03	Join Operation, Set Operation, View, Sub Query, Embedded SQL.	BB, PPT		
13	December & II	03	PL/SQL: Introduction, Structure of PL/SQL, PL/SQL Language Elements, Data Types	BB, PPT		
14	December & III	03	Operators Precedence, Control Structure, create aPL/SQL, Program, Iterative Control, Cursors, create a Cursors	BB, PPT		

15	December & IV	03	Procedure, Function, Packages, Exceptions Handling, Database Triggers.	BB, PPT		
16	December & V	03	Revision	BB, PPT		

Reference Books

1. S. Sumathi, S. Esakkirajan, Fundamentals of RDBMS, Springer Publications
2. J. D. Ullman, "Principles of Database Systems"
3. Bipin C Desai, "An Introduction to Database Systems"
4. R. Elmasri and S. Navathe, "Fundamentals of Database Systems"
5. Raghu Ramakrishnan, "Database Management Systems", McGrawhill, 2002,
6. ASilberschatz, HKorth, and S. Sudarshan, "Database System Concepts", McGrawhill, 2010.




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 GOVT. COLLEGE FOR MEN (A)
 KADAPA.

Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Software Engineering (III B.Sc)

Year: 2021 - 2022
 No. of hour per week: 3

Semester: V
 Total hours/credits: 48/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	September & II	03	Introduction: software engineering process paradigms.	BB, PPT	-	
2	September & III	03	project management, process and project metrics.	BB, PPT		
3	September & IV	03	software estimation, empirical estimation models, planning, risk analysis	BB, PPT		
4	September & V	03	Requirements Analysis: requirement engineering processes.	BB, PPT		
5	October & II	03	feasibility study, software requirement analysis.	BB, PPT		
6	October & IV	03	analysis concepts and principles, analysis process, analysis model.	BB, PPT		
7	October & V	03	Software Design: software design, abstraction, modularity.	VC		
8	November & I	03	software architecture, effective modular design, cohesion and coupling.	VC		
9	November & II	03	architectural design and procedural design, data flow oriented design.	VC		
10	November & III	03	User Interface Design and Real Time Systems: user interface design.	BB, PPT		
11	November & IV	03	human factors, human computer interaction, human.	BB, PPT		
12	December & I	03	computer interface design, interface design and standards.	BB, PPT		
13	December & II	03	Software Quality and Testing: software quality assurance, quality metrics, software reliability.	BB, PPT		
14	December & III	03	software testing, path testing, control structures testing, black box testing, integration.	BB, PPT		
15	December & IV	03	validation and system testing, reverse engineering and re-engineering.	BB, PPT		
16	December & V	03	Revision	BB, PPT		

Reference Books

1. K.K. Aggarwal, Yogesh Singh, "Software Engineering", New Age International, 2005.

Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
FOUNDATIONS OF DATA SCIENCE
III B.Sc -Cluster-I

Year: 2021 - 2022
 No. of hour per week:3

Semester: VI
 Total hours/credits: 45/3

S. N o.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	January & IV	03	INTRODUCTION TO DATA SCIENCE :Data science process – roles, stages in data science project	BB, PPT	-	
2	February & I	03	Working with data from files – working with relational databases – exploring data	BB, PPT		
3	February & II	03	Managing data – cleaning and sampling for modeling and validation – introduction to NoSQL.	BB, PPT		
4	February & III	03	MODELING METHODS :Choosing and evaluating models – mapping problems to machine learning	Video		
5	February & IV	03	Evaluating clustering models, validating models – cluster analysis – K-means algorithm, Naïve Bayes, Memorization Methods – Linear and logistic regression – unsupervised methods.	Video	Assignment	
6	March & I	03	INTRODUCTION TO R Language: Reading and getting data into R – ordered and unordered factors	BB, PPT	Seminar	
7	March & II	03	Arrays and matrices Lists and data frames – reading data from files – statistical models in R	BB, PPT		
8	March & III	03	MAP REDUCE: Introduction – distributed file system – algorithms using map reduce, Matrix-Vector Multiplication by Map Reduce	BB, PPT	Assignment	
9	March & IV	03	Hadoop - Understanding the Map Reduce architecture - Writing Hadoop Map Reduce Programs	BB, PPT		
10	March & V	03	DELIVERING RESULTS :Documentation and deployment – producing effective presentations– Introduction to graphical analysis	BB, PPT		

11	April & II	03	Plot() function – displaying multivariate data – matrix plots – multiple plots in one window - exporting graph - using graphics parameters	BB, PPT		
12	April & III	03	Mini Project	BB, PPT	Seminar	
13	April & IV	03	Mini Project	BB, PPT		
14	April & V	03	Mini Project	BB, PPT		
15	May & V	03	Revision	BB, PPT		

Reference Books

- 1.Nina Zumel, John Mount, “Practical Data Science with R”, Manning Publications, 2014.
- 2.Jure Leskovec, Anand Rajaraman, Jeffrey D.Ullman, “Mining of Massive Datasets”, Cambridge University Press, 2014.
- 3.Mark Gardener, “Beginning R - The Statistical Programming Language”, John Wiley & Sons, Inc., 2012.
- 4.W. N. Venables, D. M. Smith and the R Core Team, “An Introduction to R”, 2013.
- 5.Tony Ojeda, Sean Patrick Murphy, Benjamin Bengfort, Abhijit Dasgupta, “Practical Data Science Cookbook”, Packt Publishing Ltd., 2014.
- 6.Nathan Yau, “Visualize This: The FlowingData Guide to Design, Visualization, and Statistics”, Wiley, 2011.
- 7.Boris lublinsky, Kevin t. Smith, Alexey Yakubovich, “Professional Hadoop Solutions”, Wiley, ISBN: 9788126551071, 2015.



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Government College for Men (Autonomous): Kadapa
Department of Computer Science

Teaching Plan

BIG DATA TECHNOLOGY(III B.Sc)-Cluster-2

Year: 2021 - 2022

No. of hour per week:3

Semester: VI

Total hours/credits: 45/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	January & IV	03	INTRODUCTION TO BIG DATA: Introduction – distributed file system – Big Data and its importance, Four V's in bigdata	BB, PPT	-	
2	February & I	03	Drivers for Big data, Big data analytics, Big data applications.	BB, PPT		
3	February & II	03	Algorithms using map reduce, Matrix-Vector Multiplication by Map Reduce.	BB, PPT		
4	February & III	03	INTRODUCTION HADOOP : Big Data – Apache Hadoop	BB, PPT	Assignment	
5	February & IV	03	Hadoop EcoSystem – Moving Data in and out of Hadoop	BB, PPT		
6	March & I	03	Understanding inputs and outputs of MapReduce - Data Serialization.	BB, PPT	Seminar	
7	March & II	03	HADOOP ARCHITECTURE: Hadoop Architecture, Hadoop Storage: HDFS, Common Hadoop Shell commands , Anatomy of File Write and Read	BB, PPT		
8	March & III	03	NameNode, Secondary NameNode, and DataNode, Hadoop MapReduce paradigm, Map and Reduce tasks, Job, Tasktrackers	BB, PPT		
9	March & IV	03	Cluster Setup – SSH & Hadoop Configuration – HDFS Administering – Monitoring & Maintenance.	BB, PPT	Assignment	

10	March & V	03	HADOOP ECOSYSTEM AND YARN :Hadoop ecosystem components - Schedulers	BB, PPT		
11	April & II	03	Fair and Capacity, Hadoop 2.0 New Features- NameNode High Availability	BB, PPT		
12	April & III	03	HDFS Federation, MRv2, YARN, Running MRv1 in YARN.	BB, PPT	Seminar	
13	April & IV	03	HIVE AND HIVEQL, HBASE :-Hive Architecture and Installation, Comparison with Traditional Database, HiveQL - Querying Data - Sorting And Aggregating	BB, PPT		
14	April & V	03	Map Reduce Scripts, Joins & Subqueries, HBase concepts- Advanced Usage, Schema Design, Advance Indexing - PIG, Zookeeper - how it helps in monitoring a cluster	BB, PPT	Seminar	
15	May & I	03	HBase uses Zookeeper and how to Build Applications with Zookeeper.	BB, PPT		

Reference Books

1. Boris lublinsky, Kevin t. Smith, Alexey Yakubovich, “Professional Hadoop Solutions”, Wiley, ISBN: 9788126551071, 2015.
2. Chris Eaton, Dirk deroos et al. , “Understanding Big data ”, McGraw Hill, 2012.
3. Tom White, “HADOOP: The definitive Guide” , O Reilly 2012.
4. Vignesh Prajapati, “Big Data Analytics with R and Haoop”, Packet Publishing 2013.
5. Tom Plunkett, Brian Macdonald et al, “Oracle Big Data Handbook”, Oracle Press, 2014.
6. Jy Liebowitz, “Big Data and Business analytics”,CRC press, 2013.



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan

MACHINE LEARNING TECHNIQUES (Cluster-III) (III B.Sc)

Year: 2021 - 2022

Semester: VI

No. of hour per week:3

Total hours/credits: 45/3

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	January III	3+2	Learning – Types of Machine Learning – Supervised Learning – The Brain and the Neuron – Design a Learning System – Perspectives and Issues in ML	Google Meet, PPT	--	
2	January IV	3+2	Concept Learning Task – Concept Learning as Search – Finding a Maximally Specific Hypothesis – Version Spaces & Candidate Elimination Algorithm –	Google Meet, PPT	--	
3	February I	3+2	Linear Discriminants – Perceptron – Linear Separability – Linear Regression.	Black Board, PPT	Assignment-1	
4	February II	3+2	MLP – Going Forwards – Going Backwards: Back Propagation Error – Multi-layer Perceptron in Practice – Examples of using the MLP	Black Board, PPT	Assignment-2	
5	February III	3+2	Overview – Deriving Back-Propagation – Radial Basis Functions and Splines	Google Meet, PPT	Assignment-3	
6	February IV	3+2	Concepts – RBF Network – Curse of Dimensionality – Interpolations and Basis Functions – Support Vector Machines.	Digital Class, PPT	Seminar-1	
7	March I	3+2	Learning with Trees – Decision Trees – Constructing Decision Trees – Classification and Regression Trees –	Black Board, PPT	--	
8	March II	3+2	Ensemble Learning – Boosting – Bagging – Different ways to Combine Classifiers – Probability and Learning – Data into Probabilities –	Black Board, PPT	Assignment-4	
9	March III	3+2	Gaussian Mixture Models, Nearest Neigh. Methods, Unsupervised Learning, K means Algorithms, Vector Quantization, Self Organizing Feature Map.	Google Meet, PPT	Seminar-2	

10	March IV	3+2	Dimensionality Reduction – Linear Discriminant Analysis – Principal Component Analysis – Factor Analysis – Independent Component Analysis –	Digital Class, PPT	--	
11	March V	3+2	Locally Linear Embedding – Isomap – Least Squares Optimization – Evolutionary Learning –	Black Board, PPT	--	
12	April I	3+2	Genetic Operators – Using Genetic Algorithms – Reinforcement Learning – Overview – Getting Lost Example – Markov Decision Process.	Black Board, PPT	Assignment-5	
13	April II	3+2	Markov Chain Monte Carlo Methods – Sampling – Proposal Distribution –	Google Meet, PPT	Assignment-6	
14	April III	3+2	Markov Chain Monte Carlo – Graphical Models – Bayesian Networks –	Digital Class, PPT	Seminar-3	
15	April IV	3+2	Markov Random Fields – Hidden Markov Models – Tracking Method.	Digital Class, PPT	--	
16	May I	3+2	Revision of total syllabus. Discussion of important questions and previous question papers.	Digital Class, PPT	--	

Reference Books:

1. Stephen Marsland, –Machine Learning – An Algorithmic Perspective, 2nd Edition, Chapman and Hall/CRC Machine Learning and Pattern Recognition Series, 2014.
2. Tom M Mitchell, –Machine Learning||, First Edition, McGraw Hill Education, 2013.
3. Peter Flach, –Machine Learning: The Art and Science of Algorithms that Make Sense of Data, First Edition, Cambridge University Press, 2012.
4. Jason Bell, Machine learning – Hands on for Developers and Technical Professionals, First Edition, Wiley, 2014
5. Ethem Alpaydin, –Introduction to Machine Learning 3e (Adaptive Computation and Machine Learning Series), Third Edition, MIT Press, 2014

Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Web Technologies (III B.Sc)

Year: 2021 - 2022
No. of hour per week:3

Semester: VI
Total hours/credits: 45/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	January & IV	03	HTML: Basic HTML, Document body, Text.	BB, PPT	-	
2	February & I	03	Hyperlinks, adding more formatting, Lists, Tables using images. More HTML: Multimedia objects, Frames.	BB, PPT		
3	February & II	03	Forms towards interactive, HTML document heading detail.	BB, PPT		
4	February & III	03	Cascading Style Sheets: Introduction, using Styles, simple examples.	Video		
5	February & IV	03	your own styles, properties and values in styles, style sheet.	Video	Assignme nt	
6	March & I	03	formatting blocks of information, layers.	BB, PPT	Seminar	
7	March & II	03	Introduction to JavaScript: What is DHTML, JavaScript, basics, variables, string manipulations.	BB, PPT		
8	March & III	03	mathematical functions, statements, operators, arrays, functions.	BB, PPT	Assignme nt	
9	March & IV	03	Objects in JavaScript: Data and objects in JavaScript, regular expressions, exception handling.	BB, PPT		
10	March & V	03	DHTML with JavaScript: Data validation, opening a new window.	BB, PPT		

11	April & II	03	messages and confirmations, the status bar, different frames, rollover buttons, moving images	BB, PPT		
12	April & III	03	XML: defining data for web applications.	BB, PPT	Seminar	
13	April & IV	03	basic XML, document type definition, presenting XML. document object model. Web Services.	BB, PPT		
14	April & V	03	document object model. Web Services.	BB, PPT		
15	May & V	03	Revision	BB, PPT		

Reference Books

1. Harvey M. Deitel and Paul J. Deitel, "Internet & World Wide Web How to Program", 4/e, Pearson Education.
2. Uttam Kumar Roy, Web Technologies from Oxford University Press
3. Jason Cranford Teague "Visual Quick Start Guide CSS, DHTML & AJAX", 4e, "Pearson Education.
4. Tom NerinoDoli smith "JavaScript & AJAX for the web" Pearson Education 2007.
5. Joshua Elchorn "Understanding AJAX" Prentice Hall 2006.
6. Hal Fulton "The Ruby Way", 2e, Pearson Education 2007.
7. David A. Black "Ruby for rails" Dreamtech Press 2006.
8. Bill Dudley, Johathanlehr, Bill Willies, Lery Mattingly "Mastering Java Server Faces" Wiely India 2006.



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Basics of Cloud Computing

Year: 2021 - 2022

Semester: I

No. of hour per week: 4

Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	November & IV	04	Computer Networks, basics of networking, Architectures of networking,			
2	November & V	04	topologies, types of Networks, LAN, WAN, MAN, Components of Network,			
3	December & II	04	Network Protocols, Communication aspects, basics of Internet.			
4	December & III	04	Introduction to Cloud Computing: Cloud Computing (NIST Model): Introduction to Cloud Computing, History of Cloud Computing			
5	December & IV	04	Cloud service providers, Properties, Characteristics & Disadvantages, Pros and Cons of Cloud Computing,			
6	December & V	04	Benefits of Cloud Computing, Cloud Computing Architecture: Cloud computing stack			
7	January & II	04	Cloud Service Models: Introduction to Software as a Service (SaaS), Infrastructure as a Service (IaaS), and Platform as a Service (PaaS).			
8	January & IV	04	Cloud Deployment Models: Public Cloud, Private Cloud, Hybrid Cloud, Community Cloud.			
9	January & V	04	Understanding Google Cloud, Google Apps, Google Compute Engine (GCE), Google App Engine. Amazon Services, Amazon Web Services, Amazon EC2. IBM Cloud Computing with its PaaS, SaaS and IaaS.			

10	February & I	04	Red hat Cloud Computing with its PaaS.			
11	February & II	04	Microsoft Azure Cloud Computing Service- Windows azure platform Services			
12	February & III	04	Windows Azure storage, Windows Azure fabrics.			
13	February & IV	04	Salesforce Cloud Computing Services Pass			
14	March & I	04	SaaS and IaaS. Heroku			
15	March & II	04	Force.com as PaaS			

BOOKS

1. Cloud Computing Bible, Barrie Sosinsky, Wiley-India, 2010
2. Cloud Computing: Principles and Paradigms, Editors: Rajkumar Buyya, James Broberg, Andrzej M. Goscinski, Wile, 2011
3. Cloud Computing: Principles, Systems and Applications, Editors: Nikos Antonopoulos, Lee Gillam, Springer, 2012
4. Architecting the Cloud: Design Decisions for Cloud Computing Service Models(SaaS, PaaS, and IaaS) (Wiley CIO) by Michael J. Kavis(Author)
5. Cloud Computing: SaaS, PaaS, IaaS, Virtualization, Business Models, Mobile,Security and More by Kris Jamsa(Author)
6. Cloud Computing – An Introduction by Subu Sangameswar
7. Mastering Cloud Computing Paperback by Buyya (Author), Vecchiola (Author),Selvi (Author)
8. Cloud Computing for Complete Beginners: Building and Scaling High-PerformanceWeb Servers on the Amazon Cloud by IkramFatah



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Cloud Computing Services

Year: 2021 - 2022
 No. of hour per week: 4

Semester: II
 Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	June & III	04	Eco System of Salesforce.com, Leveraging our community resources and events.			
2	June & IV	04	Stopping, Collaborating and listening, Industries and Clients.			
3	June & V	04	Various Clouds in Salesforce.com, Functionality			
4	July & II	04	Advantages, Uses, Define Sales cloud, Service cloud,			
5	July & III	04	Marketing cloud, Analytics cloud, Platform and Apps,			
6	July & IV	04	IOT and Commerce			
7	July & V	04	Brief overview on Marketing Cloud, Sales Cloud			
8	August & I	04	Service Cloud in Salesforce.com			
9	August & II	04	Heroku and Force.com Clouds of Salesforce.com			
10	August & III	04	Functional uses, Advantages, Examples			
11	August & IV	04	Brief overview on Wave Cloud, Thunder for IoT			
12	September & I	04	Revision			
13	September & II	04	Revision			
14	September & III	04	Revision			
15	September & IV	04	Revision			

References

1. Cloud Computing Bible, Barrie Sosinsky, Wiley-India, 2010
2. Cloud Computing: Principles and Paradigms, Editors: Rajkumar Buyya, James Broberg, Andrzej M. Goscinski, Wile, 2011
3. Cloud Computing: Principles, Systems and Applications, Editors: Nikos Antonopoulos, Lee Gillam, Springer, 2012
4. Architecting the Cloud: Design Decisions for Cloud Computing Service Models(SaaS, PaaS, and IaaS)by Michael J. Kavis(Author)
5. Cloud Computing: SaaS, PaaS, IaaS, Virtualization, Business Models, Mobile,Security and More by Kris Jamsa(Author)
6. Cloud Computing – An Introduction by Subu Sangameswar
7. Mastering Cloud Computing Paperback by Buyya (Author), Vecchiola (Author),Selvi (Author)
8. Cloud Computing for Complete Beginners: Building and Scaling High- PerformanceWeb Servers on the Amazon Cloud by IkramFatah




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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Application development on Cloud Computing

Year: 2021 - 2022

No. of hour per week: 4

Semester: III

Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	November & IV	04	Creating Apps, Tabs, S Objects, Fields			
2	November & V	04	Records, Data. Working on Salesforce.com Classic Interface.			
3	December & II	04	Working on Various Relationships – Self Relationship, Lookup Relationship, Master detail Relationship			
4	December & III	04	Many to many Relationship, Rollup Summary Relationship, Hierarchical Relationship			
5	December & IV	04	Working with Custom components, Principles of designing Salesforce.com Projects. Filtering Data through Validations of Master Data			
6	December & V	04	Designing page layouts, Designing Search layouts, and Record Types.			
7	January & II	04	Security Management – Data Security, Data Migration-Import Wizard/ Data Loader.			
8	January & IV	04	Schema Security/User Security, Organisation Security			
9	January & V	04	Profiles, Roles, Queues, Public Groups, OWD Sharing Rules and Permission Sets.			
10	February & I	04	Communication Templates, Domain management,			
11	February & II	04	Working with Workflows & Approvals Process, Working with Process builder.			
12	February & III	04	Case Study			

13	February & IV	04	Case Study			
14	March & I	04	Revision			
15	March & II	04	Revision			

References

1. Practical Salesforce.com Development Without Code by **Philip Weinmeister**.
2. Teach Yourself VISUALLY Salesforce.com by Justin Davis and Kristine Curington



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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Apex and Visual Force Programming

Year: 2021 - 2022
 No. of hour per week: 4

Semester: IV
 Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	June & III	04	Data Types and Operators- Primitive, Complex, Expressions and operators, Defining Functions			
2	June & IV	04	Oops Concept- Abstraction, Encapsulation, Inheritance and Polymorphism			
3	June & V	04	Understanding Apex core concepts, developing code in the cloud Apex Development process: Learning Apex			
4	July & II	04	App Quick Start, Writing Apex class, creating a custom object, Adding the Test class			
5	July & III	04	Collections- List, Set, Map Working with DML Operations- Insert, Update			
6	July & IV	04	Upsert, Delete, Undelete and Merge, Execution flow in Apex			
7	July & V	04	Exception Handling, Assertions and Annotations.			
8	August & I	04	Interface in Apex- Batch Apex, Schedule Apex. Working with Triggers- Trigger Syntax			
9	August & II	04	Trigger Context variables, Validations and Automations			
10	August & III	04	Introduction to Visual Force, Working on Visual Force components- Format Tags, Input Tags			
11	August & IV	04	Action Tags, Output Tags and Miscellaneous Tags.			
12	August & V	04	Working on Various Controllers Custom controllers, Standard controllers, Extensions.			
13	September & II	04	Revision			
14	September & III	04	Revision			
15	September & IV	04	Revision			

References: 1. Apex Complete Developer Guide bySalesforce.com

2. Visual Force Developer guide bySalseforce.com

Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
BUSINESS INTELLIGENCE II BSC(MCCCS) –PAPER-C5

Year: 2021 - 2022

No. of hour per week: 4

Semester: IV

Total hours/credits:60 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	June & III	04	Wave Analytic basics: Exploring Wave Analytics,			
2	June & IV	04	Setup Wave analytics,			
3	July & I	04	Creating wave analytic App			
4	July & II	04	Wave Desktop Exploration Data Explorer, Analyse Data Explorer	Assignment		
5	July & III	04	Compare Table			
6	July & IV	04	Wave Mobile Exploration: Mobile Data Explorer, Mobile Exploration interface.	Seminar		
7	August & I	04	Wave App Basics: Creating Wave App basics,			
8	August & II	04	Setting up Wave app Licenses and permissions			
9	August & III	04	Sales Wave app – Creating and Analysing Sales wave using Wizard	Seminar		
10	August & IV	04	Sales wave on Mobiles			
11	September & I	04	Service Wave App: Creating Service Wave using wizard,	Assignment		
13	September & II	04	Service wave to Manage Service Load, Basic Wave Dashboard Customization			
14	September & III	04	Revision			
15	September & IV	04	Revision			

References : Introduction to Salesforce Analytics - Building Reports and Dashboards: Class Slides & Workbook for Sprd-101 by Steve Wasula (Author)



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Electronics - Teaching Plan

Paper I: Circuit Theory and Electronic Devices

Year: 2021-22

Semester: 1

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Definition of current and voltage. The sine wave, general format of sine wave for voltage or current,	Lecture	-
2	Dec I	04	phase relations, average value, effective (R.M.S) values. Differences between A.C and D.C.	Lecture & Demonstration	Assignment
3	Dec II	04	Phase relation of R,L and C	Lecture, PPT	Assignment
4	Dec III	04	Branch current method, Nodal Analysis, star to delta and delta to star conversions.	Lecture, PPT	Seminar
5	Dec IV	04	Superposition Theorem, Thevenin's Theorem, Norton's Theorem,	Lecture, PPT	
6	Jan I	04	Maximum Power transfer theorem,, Milliman's and Reciprocity theorems .	Lecture, Discussion	
7	Jan III	04	Frequency response of RC and RL circuits, their action as low pass and high pass filters.	Lecture	
8	Jan IV	04	passive differentiating and integrating circuits. Series resonance and parallel resonance circuits, Q-factor.	Discussion	Assignment
9	Feb I	04	BJT: Construction, working of a transistor, characteristics of CE Configuration. Hybrid parameters and hybrid equivalent circuit of CE Transistor,	Lecture, PPT	Assignment
10	Feb II	04	FET: Construction, working and characteristics of JFET and MOSFET. Advantages of FET over BJT.	Lecture	Seminar
11	Feb III	04	UJT: Construction, working and characteristics of UJT. UJT as a Relaxation oscillator.	Lecture, Discussion	
12	Feb IV	04	Rectifiers: Half wave, full wave rectifiers-Efficiency-ripple factor-	Lecture	
13	Mar I	04	Filters- L-section & π -section filters. Three terminal fixed voltage I.C.regulators(78XX and &79XX).	Discussion	Assignment
14	Mar II	04	Light Emitting Diode – Photo diode and LDR.	Discussion	
15	Mar III	04	Revision	Lecture	

Government College for Men (Autonomous), Kadapa

Teaching Plan Paper II: Digital Electronics

Year: 2021-22

Semester: 2

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	NUMBER SYSTEM: Decimal, Binary, Hexadecimal, Octal.	Lecture, PPT	Assignment
2	Apr III	04	Codes: BCD, Gray and Excess-3 codes- code conversions	Discussion, PPT	Seminar
3	Apr IV	04	Complements (1's, 2's, 9's and 10's), Addition -subtraction using complement methods.	Lecture, PPT	-
4	May I	04	Boolean Theorems, De-Morgan's laws. Digital logic gates,	Lecture	-
5	May II	04	Realization of basic gates using NAND and NOR gates. Standard representation of logic functions (SOP and POS),	Lecture,	Assignment
6	May III	04	Minimization Techniques (Karnaugh Map Method: 2,3 and 4 variables).	Discussion	Assignment
7	May IV	04	Adders-Half adder & full adder, Subtractor-Half and full subtractors, Parallel binary adder,	Discussion	
8	Jun I	04	Magnitude Comparator, Multiplexers (4:1) and Demultiplexers (1:4), Encoder (8-line-to-3-line) and Decoder (3-line-to-8-line)	Lecture	
9	Jun II	04	IC-LOGIC FAMILIES: TTL logic, CMOS Logic families (NAND&NOR Gates).	Lecture, PPT	
10	Jun III	04	Flip Flops: S-R FF , J-K FF, T and D type FFs, Master-Slave FFs	Lecture	Assignment
11	Jun IV	04	Registers:-Serial In Serial Out and Parallel In and Parallel Out,	Lecture, PPT	seminar
12	Jul I	04	Counters Asynchronous-, Mod-8, Mod-10, Synchronous-4-bit & Ring counter.	Discussion, PPT	Assignment
13	Jul II	04	General Memory Operations, ROM, RAM (Static and Dynamic), PROM, EPROM,		-
14	Jul III	04	EEPROM, EAROM, PLA (Programmable logic Array), PAL (Programmable Array Logic)	Lecture, PPT	-
15	Jul IV	04	Revision	Lecture	Assignment




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Teaching Plan

Paper III: Analog Circuits and Communication

Year: 2021-22

Semester: 3

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Operational Amplifier Introduction - Definition, Characteristics of Op-Amp, Block diagram of op-amp,	Lecture, PPT	Seminar
2	Dec I	04	inverting, noninverting, virtual ground, summing amplifier, subtractor, voltage follower,	Demonstration	Assignment
3	Dec II	04	op-amp parameters, voltage to current convertor, integrator, differentiator	Demonstration	Seminar
4	Dec III	04	differential amplifier, Logarithmic amplifier. voltage regulator, comparator,	Lecture, PPT	
5	Dec IV	04	zero cross detecting circuit, instrumentation amplifier, sine wave generator,	Lecture, PPT	Assignment
6	Jan I	04	square wave generator (Astable multivibrator), triangular wave generator, Active filters (Basics)- low pass, high pass, band pass filters.	Lecture, PPT	Seminar
7	Jan III	04	IC-555 –functional block diagram and mention it's applications	Lecture	
8	Jan IV	04	Need for modulation, amplitude modulation-analysis of an amplitude modulated wave, side bands and bandwidth	Demonstration	Assignment
9	Feb I	04	power relations in the AM wave. Generation of AM- Transistor modulators. Detection of AM signals – Diode detector.	Lecture,PPT	
10	Feb II	04	Theory of FM, Frequency deviation and carrier swing, modulation index, deviation ratio, percent modulation. Mathematical representation of FM,	Lecture	Assignment
11	Feb III	04	frequency spectrum and bandwidth of FM waves, Generation of FM signals – Varactor diode modulator and Basic Reactance modulator.	Lecture, PPT	Seminar
12	Feb IV	04	Detection of FM waves – FM demodulation with discriminator. Advantages of FM over AM.	Lecture	Seminar
13	Mar I	04	Spectrum of electromagnetic waves, Radio broadcasting and reception, Transmitter, Radio receiver,	Demonstration	Assignment
14	Mar II	04	AM receivers- Straight forward receiver, Superheterodyne receiver. FM receivers.	Lecture, Drill	
15	Mar III	04	revision	Lecture	

Government College for Men (Autonomous), Kadapa

Teaching Plan

Paper IV: Microprocessor systems

Year: 2021-22

Semester: 4

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	<i>Introduction to Microprocessor, INTEL -8085(P) Architecture, CPU, ALU unit</i>	Lecture	-
2	Apr III	04	<i>Register organization, Address, data and control Buses. Pin configuration of 8085</i>	Lecture	Assignment
3	Apr IV	04	8086 Architecture, Evaluation of Microprocessor,	Demonstration	
4	May I	04	Pin description. Instruction format, Machine language instructions,	Lecture,	Seminar
5	May II	04	Instruction Execution timing, Addressing modes	Lecture, PPT	Assignment
6	May III	04	Data transfer Instruction, Logical Instructions	Lecture, PPT	
7	May IV	04	Arithmetic Instructions, Branch Instructions, Flag anipulation	Lecture, PPT	Seminar
8	Jun I	04	Shift and rotate Instruction, Loop Instruction	Lecture, PPT	
9	Jun II	04	Assembly Language Programming for Addition, Subtraction, Multiplication,	Lecture, PPT	Assignment
10	Jun III	04	Find the largest and smallest number in an array. Modular programming :–Linking and Relocation,	Discussion	
11	Jun IV	04	Stacks, Procedures, Interrupts And Interrupt Routines. Basic 8086 Configurations – Minimum mode and Maximum Mode,	Discussion	Seminar
12	Jul I	04	Interrupt Priority Management I/O Interfaces: Serial Communication interfaces, Parallel Communication,	Lecture	
13	Jul II	04	Programmable Timers, Keyboard and display, DMA controller	Discussion	
14	Jul III	04	Introduction to 16/32 bit processors, Arm architecture & organization, Arm based MCUs,	Lecture, PPT	Assignment
15	Jul IV	04	Programming model, Instruction set and Revision	Lecture, PPT	

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Teaching Plan

Paper V (2020-21 Admitted Batch): Microcontroller and Interfacing

Year: 2021-22

Semester: 4

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	Introduction, comparison of Microprocessor and micro controller, Evolution of microcontrollers from 4-bit to 32 bit .	Lecture	-
2	Apr III	04	Development tools for micro controllers, Assembler-Compiler-Simulator/Debugger.	Lecture	Assignment
3	Apr IV	04	Microcontroller Architecture: Overview and block diagram of 8051, Architecture of 805.	Lecture	
4	May I	04	Program counter and memory organization, Data types and directives, PSW register, Register banks and stack	Lecture, PPT	
5	May II	04	Pin diagram of 8051, Port organization, Interrupts and timers.	Lecture, PPT	Assignment
6	May III	04	Addressing modes and accessing memory using various addressing modes	Lecture, PPT	
7	May IV	04	Instruction set: Arithmetic, Logical, Simple bit, jump, loop and call instructions and their usage.	Lecture, PPT	Seminar
8	Jun I	04	Time delay generation and calculation, Timer/Counter Programming,	Lecture, PPT	
9	Jun II	04	Assemble language programming Examples: Addition, Multiplication, Subtraction.	Lecture, PPT	Assignment
10	Jun III	04	Division, largest and smallest number in an array, arranging a given set of numbers in ascending/descending order.	Discussion	
11	Jun IV	04	Interfacing of – PPI 8255, DAC (0804),	Discussion,	Seminar
12	Jul I	04	Temperature measurement (LM35), interfacing seven segment displays,	Lecture	Assignment
13	Jul II	04	Displaying information on a LCD, control of a stepper Motor (Uni-Polar),	Discussion	
14	Jul III	04	Interfacing a 4*3 matrix keypad. Generation of different types of waveforms using DAC.	Lecture	Assignment
15	Jul IV	04	Revision	Lecture, PPT	

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Teaching Plan

Paper V: Analog and Digital Communication

Year: 2021-22

Semester: 5

No. of hour per week: 3

Total hours/Credits: 45/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Sep I	03	Need for modulation, amplitude modulation-frequency spectrum of AM wave,	Lecture	-
2	Sep II	03	power relations in the AM wave. Generation of AM- Transistor modulators.	Lecture	Assignment
3	Sep III	03	Suppression of carrier, balanced modulator, suppression of one side band- the filter method, phase shift method.	Demonstration	
4	Sep IV	03	Theory of FM, mathematical representation of FM, frequency spectrum of FM wave,	Lecture,	Seminar
5	Oct II	03	narrow band FM, wide band FM, power contents of the carrier and sidebands,	Lecture, PPT	Assignment
6	Oct III	03	Generation of FM signals – Reactance modulator.	Lecture, PPT	
7	Oct IV	03	Noise – Thermal, Shot, Noise figure, Super heterodyne Receiver block diagram	Lecture, PPT	Seminar
8	Nov I	03	FM receiver, discriminators- slope, balanced slope,	Lecture, PPT	
9	Nov II	03	phase discriminator & Ratio detector,	Lecture, PPT	Assignment
10	Nov III	03	Communication bands, Electromagnetic waves, propagation of waves - ground waves, Ionosphere & Space waves.	Discussion	
11	Nov IV	03	PULSE MODULATION: Introduction, Sampling Theorem, TDM, FDM	Discussion	Seminar
12	Dec I	03	PAM- Generation & Detection PWM- Generation & Detection, PPM- Generation & Detection	Lecture	
13	Dec II	03	PCM – PCM encoders, Quantization noise, S/N ratio of PCM system, relation between S/N ratio & BW,	Discussion	
14	Dec III	03	Advantages of digital over analog communications. Advantages of shift keying over digital communication, Types of shift keying, ASK – Generation & Detection	Lecture, PPT	Assignment
15	Dec IV	03	FSK – Generation & Detection, PSK – Generation & Detection. and Revision	Lecture, PPT	

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Paper VI: Microprocessor systems

Year: 2021-22

Semester: 5

No. of hour per week: 3

Total hours/Credits: 45/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Sep I	03	<i>Introduction to Microprocessor, INTEL -8085(P) Architecture, CPU, ALU unit</i>	Lecture	-
2	Sep II	03	<i>Register organization, Address, data and control Buses. Pin configuration of 8085</i>	Lecture	Assignment
3	Sep III	03	8086 Architecture, Evaluation of Microprocessor,	Demonstration	
4	Sep IV	03	Pin description. Instruction format, Machine language instructions,	Lecture,	Seminar
5	Oct II	03	Instruction Execution timing, Addressing modes	Lecture, PPT	Assignment
6	Oct III	03	Data transfer Instruction, Logical Instructions	Lecture, PPT	
7	Oct IV	03	Arithmetic Instructions, Branch Instructions, Flag anipulation	Lecture, PPT	Seminar
8	Nov I	03	Shift and rotate Instruction, Loop Instruction	Lecture, PPT	
9	Nov II	03	Assembly Language Programming for Addition, Subtraction, Multiplication,	Lecture, PPT	Assignment
10	Nov III	03	Find the largest and smallest number in an array. Modular programming: – Linking and Relocation,	Discussion	
11	Nov IV	03	Stacks, Procedures, Interrupts And Interrupt Routines. Basic 8086 Configurations – Minimum mode and Maximum Mode,	Discussion	Seminar
12	Dec I	03	Interrupt Priority Management I/O Interfaces: Serial Communication interfaces, Parallel Communication,	Lecture	
13	Dec II	03	Programmable Timers, Keyboard and display, DMA controller	Discussion	
14	Dec III	03	Introduction to 16/32 bit processors, Arm architecture & organization, Arm based MCUs,	Lecture, PPT	Assignment
15	Dec IV	03	Programming model, Instruction set and Revision	Lecture, PPT	

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Teaching Plan

Paper VII: Microcontroller and Interfacing

Year: 2021-22

Semester: 6

No. of hour per week: 3

Total hours/Credits: 45/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Jan III	03	Introduction, comparison of Microprocessor and micro controller, Evolution of microcontrollers from 4-bit to 32 bit .	Lecture	-
2	Jan IV	03	Development tools for micro controllers, Assembler-Compiler-Simulator/Debugger.	Lecture	Assignment
3	Feb I	03	Microcontroller Architecture: Overview and block diagram of 8051, Architecture of 805.	Lecture	
4	Feb II	03	Program counter and memory organization, Data types and directives, PSW register, Register banks and stack	Lecture, PPT	
5	Feb III	03	Pin diagram of 8051, Port organization, Interrupts and timers.	Lecture, PPT	Assignment
6	Feb IV	03	Addressing modes and accessing memory using various addressing modes	Lecture, PPT	
7	Mar I	03	Instruction set: Arithmetic, Logical, Simple bit, jump, loop and call instructions and their usage.	Lecture, PPT	Seminar
8	Mar II	03	Time delay generation and calculation, Timer/Counter Programming,	Lecture, PPT	
9	Mar III	03	Assemble language programming Examples: Addition, Multiplication, Subtraction.	Lecture, PPT	Assignment
10	Mar IV	03	Division, largest and smallest number in an array, arranging a given set of numbers in ascending/descending order.	Discussion	
11	Apr I	03	Interfacing of – PPI 8255, DAC (0804),	Discussion,	Seminar
12	Apr II	03	Temperature measurement (LM35), interfacing seven segment displays,	Lecture	Assignment
13	Apr III	03	Displaying information on a LCD, control of a stepper Motor (Uni-Polar),	Discussion	
14	Apr IV	03	Interfacing a 4*3 matrix keypad. Generation of different types of waveforms using DAC.	Lecture	Assignment
15	May I	03	Revision	Lecture, PPT	



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Horticulture - Teaching Plan

Paper I :Basic concepts of Horticulture and Soil Science

Year: 2021-22

Semester: 1

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Unit I : Introduction to Horticulture Definition of Horticulture, Importance of horticulture in terms of economy, production,	Lecture, PPT	-
2	Dec I	04	Employment generation, environmental protection and human resource development.	Lecture & Demonstration	Assignment
3	Dec II	04	Scope for horticulture in India. Divisions of horticulture with suitable examples and their importance. Fruit and Vegetable zones of India and Andhra Pradesh.	Lecture, PPT	Assignment
4	Dec III	04	Unit II :Classification and Nutritional values of Horticulture crops Classification of Horticultural crops based on soil and climatic requirements.	Lecture, PPT	Seminar
5	Dec IV	04	Nutritive value of horticultural crops. Global scenario of horticultural crops- horticultural therapy Export and import of horticulture plants	Lecture, PPT	
6	Jan I	04	Unit III :Environmental factors - Horticulture crops Influence of soil – physical and chemical properties Climatic factors – light, photoperiod, temperature, relative humidity, rainfall.	Lecture, Discussion	
7	Jan III	04	Micro climate, pollution Influence of biotic and abiotic stresses on crop production.	Lecture	
8	Jan IV	04	Unit IV :Soil as a Medium for Plant Growth Minerals and Weathering to Form Soils; Factors of Soil Formation.	Discussion	Assignment
9	Feb I	04	Soil Taxonomy; Soil color, texture and structure; Other Physical Properties and Stability.	Lecture, PPT	Assignment
10	Feb II	04	Soil Colloids and Charges; Ion adsorption and exchange.	Lecture	Seminar
11	Feb III	04	Soil pH and Acidity; Soil Alkalinity and Salinity	Lecture, Discussion	
12	Feb IV	04	UnitV :Mineral nutrition of plants Macro and micronutrients.	Lecture	
13	Mar I	04	Soil organic matter.	Discussion	Assignment
14	Mar II	04	Soil Microorganisms; Soil faunal Ecology.	Discussion	
15	Mar III	04	Integrated nutrient management and soil tests.	Lecture	

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Horticulture -Teaching Plan

Paper II: Plant propagation methods and nursery management

Year: 2021-22

Semester: 2

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	Unit -1 :Basics of propagation; structures and media for propagation Introduction, principles and classification of plant propagation methods.	Lecture, PPT	Assignment
2	Apr III	04	Selection of site for commercial nursery. Ecological and economic factors.	Discussion, PPT	Seminar
3	Apr IV	04	Plant propagation structures, containers and media.	Lecture, PPT	-
4	May I	04	Unit – 2 : Sexual propagation/Seed propagation Sexual propagation and its importance.	Lecture	-
5	May II	04	Seed germination, process of seed germination. Factors affecting seed germination	Lecture,	Assignment
6	May III	04	pre-germination treatments and viability tests.	Discussion	Assignment
7	May IV	04	Unit – 3 : Propagation through vegetative organs Asexual propagation and its importance.	Discussion	
8	Jun I	04	Underground vegetative organs for plant multiplication (macropropagation).	Lecture	
9	Jun II	04	Orchid propagation by rhizome. Propagation by division and separation.	Lecture, PPT	
10	Jun III	04	Unit – 4 :Vegetative propagation techniques Propagation by cuttings : Root, leaf and stem cuttings	Lecture	Assignment
11	Jun IV	04	Plant propagation by layering – Simple, serpentine, mound and air layering. Plant propagation by grafting – approached and detached (whip , cleft, side veneer and bark)	Lecture, PPT	seminar
12	Jul I	04	Plant propagation by budding – T-, patch and chip budding techniques.	Discussion, PPT	Assignment
13	Jul II	04	Unit –5 : Nursery management practices Definition of nursery; Nursery- site selection, lay out, records		-
14	Jul III	04	Different types of nursery beds – flat beds, raised beds and sunken beds, their merits and demerits.	Lecture, PPT	-
15	Jul IV	04	Nursery structures - Potting, repotting; Different nursery techniques and their management. Problems in nursery management and its control; Nursery accreditation and certification.	Lecture	Assignment

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Horticulture-Teaching Plan

PaperIII: Olericulture

Year: 2021-22

Semester: 3

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Unit – 1 :Solanaceous vegetables Importance, morphology and taxonomy, varieties, climate and soil, seeds and sowing, manuring, irrigation, intercultural operations, diseases and their control, harvesting and yield of following crops	Lecture, PPT	Seminar
2	Dec I	04	Cultivation of Brinjal, Cultivation of Tomato	Demonstration	Assignment
3	Dec II	04	Cultivation of <i>Capsicum</i>	Demonstration	Seminar
4	Dec III	04	Unit – 2 : Leafy vegetables Importance, morphology and taxonomy, varieties, climate and soil, seeds and sowing, manuring, irrigation, intercultural operations, diseases and their control, harvesting and yield of following crops:	Lecture, PPT	
5	Dec IV	04	Cultivation of Amaranth and Spinach	Lecture, PPT	Assignment
6	Jan I	04	Cultivation of Coriander and <i>Mentha</i>	Lecture, PPT	Seminar
7	Jan III	04	Unit – 3 : Root and Tuber crops Importance, morphology and taxonomy, varieties, climate and soil, seeds and sowing, manuring, irrigation, intercultural operations, diseases and their control, harvesting and yield of following crops: Cultivation of <i>Colocasia</i> and <i>Dioscorea</i>	Lecture	
8	Jan IV	04	Cultivation of Sweet Potato and Tapioca	Demonstration	Assignment
9	Feb I	04	Cultivation of Carrot and Beet root	Lecture,PPT	
10	Feb II	04	Unit – 4 : Cole crops Importance, morphology and taxonomy, varieties, climate and soil, seeds and sowing, manuring, irrigation, intercultural operations, diseases and their control, harvesting and yield of following crops: Cultivation of Cabbage	Lecture	Assignment
11	Feb III	04	Cultivation of Cauliflower	Lecture, PPT	Seminar
12	Feb IV	04	Cultivation of Knoll-khol	Lecture	Seminar
13	Mar I	04	Unit – 5 : Leguminous vegetables Importance, morphology and taxonomy, varieties, climate and soil, seeds and sowing, manuring, irrigation, intercultural operations, diseases and their control, harvesting and yield of following crops: Cultivation of Cluster bean and double bean	Demonstration	Assignment
14	Mar II	04	Cultivation of Cow pea and <i>Dolichos</i>	Lecture, Drill	
15	Mar III	04	Cultivation of Pea.	Lecture, Drill	Seminar




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Horticulture-Teaching Plan

Paper IV: Ornamental Horticulture, Floriculture and Landscaping

Year: 2021-22

Semester: 4

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	Unit – 1 : Leafy and flower ornamentals Introduction and classification of ornamentals.	Discussion	-
2	Apr III	04	Different types of leafy ornamentals, Different types of flower ornamentals.	Lecture	Assignment
3	Apr IV	04	Commercial value of ornamentals in India and abroad.	Lecture, PPT	Assignment
4	May I	04	Unit – 2 :Fundamentals of Landscaping Principles, importance and scope of landscaping.	Lecture	
5	May II	04	History, art principles, important terms of landscape gardening; garden adornments. Garden features : wall, fencing, steps, garden, garden drives and paths, hedges, edges and arches; pergola, lawn, carpet bedding; flower beds, shrubbery, borders, rockery, water gardens, bonsai, topiary.	Lecture, PPT	Assignment
6	May III	04	Garden types and styles : Indoor and outdoor gardens; Formal, informal, free style, special type, terrace, rock and sunken garden styles.	Discussion	Seminar
7	May IV	04	Unit – 3 :Cultivation of ornamentals Importance, description, cultivation and use of annuals; biennials, herbaceous perennials, woody perennials and bulbous plants.	Discussion	Seminar
8	Jun I	04	Identification, classification and growth habits of ornamental trees, shrubs and climbers used for various purposes, Cacti and succulents, ferns, palms and foliage plants. Bonsai – care and maintenance.	Lecture	Assignment
9	Jun II	04	Flower shows, judging. Flower arrangements. Growing of flowers for exhibitions and competitions.	Lecture	Assignment
10	Jun III	04	Unit – 4 : Commercial floriculture Scope and importance of commercial floriculture in India and overseas.	Lecture, PPT	Seminar

11	Jun IV	04	Cultivation of Rose, Jasmine, <i>Chrysanthemum</i> and Marigold, Cultivation of Tuberose, Aster and Dahlia	Lecture	
12	Jul I	04	Cultivation of Gerbera, Gladiolus and Carnation.	Lecture, PPT	Assignment
13	Jul II	04	Unit – 5 :Management practices for ornamental plants Plant protection; use of Plant Growth Regulators.	Lecture	
14	Jul III	04	Special horticultural practices. Harvesting and post harvest handling.	Lecture, PPT	Assignment
15	Jul IV	04	Grading, packing, storage and marketing of ornamental flowers.	Discussion	



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Horticulture- Teaching Plan

Paper : V Concepts of Pomology

Year: 2021-22

Semester: 4

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	Unit – 1 :Introduction to Fruit crops Importance of growing fruit crops in India and Andhra Pradesh.	Lecture	-
2	Apr III	04	Nutritive value of fruits. Area and production of fruit crops in Andhra Pradesh and India	Lecture	Seminar
3	Apr IV	04	Export and import potential of fruits in India. Constraints in fruit production and remedies to overcome them.	Demonstration	Assignment
4	May I	04	Unit – 2 :Tropical Fruit Crops Origin, history, distribution, area and production, uses and composition, varieties, soil and climatic requirements, propagation, planting, training and pruning, manuring and fertilizer application, irrigation, intercropping, harvesting and yield, diseases and pests of the following tropical fruit crops: Mango	Lecture, PPT	
5	May II	04	Guava	Lecture, PPT	Assignment
6	May III	04	Papaya	Lecture, PPT	Seminar
7	May IV	04	Unit – 3 :Sub-tropical and temperate fruit crops Origin, history, distribution, area and production, uses and composition, varieties, soil and climatic requirements, propagation, planting, training and pruning, manuring and fertilizer application, irrigation, intercropping, harvesting and yield, diseases and pests of the following sub-tropical and temperate fruit crops: Grapes	Lecture, PPT	Assignment
8	Jun I	04	Pomegranate	Lecture, PPT	
9	Jun II	04	Apple	Lecture, PPT	Assignment
10	Jun III	04	Unit – 4 :Arid and minor fruit crops Origin, history, distribution, area and production, uses and composition, varieties, soil and climatic requirements, propagation, planting, training and pruning, manuring and fertilizer application, irrigation, inter cropping, harvesting and yield, diseases and	Discussion	

			pests of the following arid fruit crops: Amla		
11	un IV	04	Ber and Bael	Discussion, Drill	Seminar
12	Jul I	04	Wood apple	Lecture	Assignment
13	Jul II	04	Unit – 5 : Management practices for fruit crops Sustainable Production Practices for Local Fruit Production	Discussion	Seminar
14	Jul III	04	Integrated Orchard Management/Principles of Integrated Pest Management, Harvesting and Labor Concerns	Lecture, PPT	Assignment
15	Jul IV	04	Grading, packing, storage and marketing of fruits.	Lecture, PPT	



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Horticulture- Teaching Plan

Paper : V Concepts of Pomology

Year: 2021-22

Semester: 5

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Sep I	04	Unit – 1 :Introduction to Fruit crops Importance of growing fruit crops in India and Andhra Pradesh.	Lecture	-
2	Sep II	04	Nutritive value of fruits. Area and production of fruit crops in Andhra Pradesh and India	Lecture	Seminar
3	Sep III	04	Export and import potential of fruits in India. Constraints in fruit production and remedies to overcome them.	Demonstration	Assignment
4	Sep IV	04	Unit – 2 :Tropical Fruit Crops Origin, history, distribution, area and production, uses and composition, varieties, soil and climatic requirements, propagation, planting, training and pruning, manuring and fertilizer application, irrigation, intercropping, harvesting and yield, diseases and pests of the following tropical fruit crops: Mango	Lecture, PPT	
5	Oct II	04	Guava	Lecture, PPT	Assignment
6	Oct III	04	Papaya	Lecture, PPT	Seminar
7	Oct IV	04	Unit – 3 :Sub-tropical and temperate fruit crops Origin, history, distribution, area and production, uses and composition, varieties, soil and climatic requirements, propagation, planting, training and pruning, manuring and fertilizer application, irrigation, intercropping, harvesting and yield, diseases and pests of the following sub-tropical and temperate fruit crops: Grapes	Lecture, PPT	Assignment
8	Nov I	04	Pomegranate	Lecture, PPT	
9	Nov II	04	Apple	Lecture, PPT	Assignment
10	Nov III	04	Unit – 4 :Arid and minor fruit crops Origin, history, distribution, area and production, uses and composition, varieties, soil and climatic requirements, propagation, planting, training and pruning, manuring and fertilizer application, irrigation, inter cropping, harvesting and yield, diseases and	Discussion	

			pests of the following arid fruit crops: Amla		
11	Nov IV	04	Ber and Bael	Discussion, Drill	Seminar
12	Dec I	04	Wood apple	Lecture	Assignment
13	Dec II	04	Unit – 5 : Management practices for fruit crops Sustainable Production Practices for Local Fruit Production	Discussion	Seminar
14	Dec III	04	Integrated Orchard Management/Principles of Integrated Pest Management, Harvesting and Labor Concerns	Lecture, PPT	Assignment
15	Dec IV	04	Grading, packing, storage and marketing of fruits.	Lecture, PPT	



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Horticulture- Teaching Plan

Paper : VI Diseases of horticulture plants and their management

Year: 2021-22

Semester: 5

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Sep I	04	Unit – 1 :Diseases of Vegetable crops Brinjal : Wilt, Phomopsis blight, Sclerotinia foot rot, Little leaf of brinjal	Lecture	-
2	Sep II	04	Tomato : Late blight, early blight, leaf curl	Lecture	Seminar
3	Sep III	04	Chilli: Anthracnose, leaf curl	Demonstration	Assignment
4	Sep IV	04	Unit – 2 : Diseases of ornamental crops Rose : dieback, black spot	Lecture, PPT	
5	Oct II	04	<i>Chrysanthemum</i> : Septoria leaf spot, Basal stem rots, Jasmine : Leaf blight, Rust, Marigold : leaf spot and bud rot	Lecture, PPT	Assignment
6	Oct III	04	Tuberose : foot and tuber rot, Blossom blight, Gerbera : Blossom blight, powdery mildew, Gladiolus : Corm rot, Flower rot	Lecture, PPT	Seminar
7	Oct IV	04	Unit – 3 : Diseases of Fruit crops Mango: Malformation, Anthracnose, Black tip	Lecture, PPT	Assignment
8	Nov I	04	Grape: Downy Mildew, Papaya : Papaya mosaic, Papaya ring spot, Papaya leaf curl	Lecture, PPT	
9	Nov II	04	Citrus : Canker, Tristeza, root rot	Lecture, PPT	Assignment
10	Nov III	04	Unit – 4 : Integrated Pest and disease management Pesticide classification on use, chemical nature, formulation, toxicity and action.	Discussion	
11	Nov IV	04	Pesticide Dissipation, Residue Dynamics, Different methods/ Steps in residue analysis, Maximum Residue Levels in pesticide	Discussion, Drill	Seminar
12	Dec I	04	Pesticide Management.	Lecture	Assignment
13	Dec II	04	Unit – 5 : Pesticides Integrated Pest and Disease Management practices in Fruits, Vegetables, Flower crops,	Discussion	Seminar
14	Dec III	04	Medicinal and Plantation crops, Insect pests in horticulture crops and their management	Lecture, PPT	Assignment
15	Dec IV	04	Nematode pests in horticulture crops and their management.	Lecture, PPT	

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Horticultur- Teaching Plan

PaperVII: Breeding of Horticulture crops

Year: 2021-22

Semester: 6

No. of hour per week: 3

Total hours/Credits: 45/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Jan III	03	Unit 1: Introduction to basic concepts of breeding, Methods of breeding of self pollinated vegetable crops	Lecture	-
2	Jan IV	03	Methods of breeding of cross pollinated vegetable crops	Lecture	Assignment
3	Feb I	03	Methods of breeding of asexual propagated crops	Demonstration	
4	Feb II	03	Unit-II Origen and distribution of species Taxonomy genetic resources cyto genetics, genetics, breeding objectives and methods in following fruits crops-	Lecture, PPT	
5	Feb III	03	Mango, Banana and Papaya	Lecture, PPT	Assignment
6	FebIV	03	Unit-III Origen and distribution of species Taxonomy genetic resources cyto genetics, genetics, breeding objectives and methods in following vegetable crops- Tomato, Cabbage	Lecture, PPT	
7	Mar I	03	cauliflower and Potato	Lecture, PPT	Seminar
8	Mar II	03	Unit-IV Origen and distribution of species Taxonomy genetic resources cyto genetics, genetics, breeding objectives and methods in following flower crops	Lecture, PPT	
9	MarIII	03	Rose	Lecture, PPT	Assignment
10	MarIV	03	Chrysanthemum	Discussion	
11	Apr I	03	Marigold	Discussion,	Seminar
12	Apr II	03	Unit-II Origen and distribution of species Taxonomy genetic resources cyto genetics, genetics, breeding objectives and methods in following Plantation crops-	Lecture	Assignment
13	Apr III	03	Cashew nut	Discussion	
14	AprIV	03	Coconut	Lecture, PPT	Assignment
15	May I	03	Coffee	Lecture, PPT	Seminar



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Government College for Men (Autonomous): Kadapa
Department of Statistics
Teaching Plan
Paper 1: Descriptive Statistics

Year: 2021 - 22
 No. of hour per week: 4

Semester: I
 Total hours/credits: 60/4

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	Nov IV	04	Introduction to Statistics, Definition, Origin and development of Statistics, Applications and limitations of statistics.	Lecture, PPT	Assignment	
2	Dec I	04	Types of Data: Concepts of population and sample, quantitative and qualitative data, cross-sectional and time-series data, discrete and continuous data, different types of scales. Collection of Data: Primary data and Secondary data – its major sources.	Lecture, PPT	Assignment	
3	Dec II	04	Presentations of data: Construction of frequency table (one and two factors) Diagrammatic(Bar and Pie) and Graphical representations(Histogram, frequency curves, Ogives) of ungrouped and grouped data.	Lecture, PPT	Assignment	
4	Dec III	04	Concept of Central Tendency- Various measures of central tendency and their merits and demerits, properties and applications of central tendency. Use of other partition values.	Lecture, PPT	Assignment	
5	Dec IV	04	Concept of Dispersion-Variou measures of dispersion and their merits and demerits, properties and applications of dispersion.	Lecture Derivations		
6	Jan I	04	Moments: Raw moments for grouped and ungrouped data. Moment about an arbitrary constant for grouped and ungrouped data Central moments for grouped and ungrouped data. Effect of change of origin and scale. Sheppard's corrections. Relations between central moments and raw moments (up to 4 th order).	Lecture	Seminar	

7	Jan III	04	Symmetric frequency distribution. Concept of Skewness of frequency distribution- positive skewness and negative skewness. Measures of skewness- Karl pearson's coefficient of skewness - Bowley's coefficient of Skewness,- Based on moments(β_1, γ_1). Concept of Kurtosis- leptokurtic, mesokurtic and platykurtic frequency distributions. Measures of Kurtosis based on moments (β_2, γ_2).	Lecture	Seminar	
8	Jan IV	04	Bi- variate data, Principle of least squares, fitting of k^{th} degree polynomial. Fitting of straight line ($y = a + bx$), Fitting of Second degree polynomial or parabola ($y = a + bx + cx^2$), Fitting of power curve ($y = ax^b$) and exponential curves of type i) $y = ae^{bx}$ and ii) $y = ab^x$ with problems	Lecture	Assignment	
09	Feb I	04	Meaning, Types of Correlation, Measures of Correlation : Scatter diagram, Karl Pearson's Coefficient of Correlation, Rank Correlation Coefficient (with and without ties), Bi-variate frequency distribution, correlation coefficient for bi-variate data and simple problems.	Lecture, PPT	Seminar	
10	Feb II	04	Correlation ratio, concept of multiple and partial correlation coefficients (three variables only) and properties	Lecture	Assignment	
11	Feb III	04	Concept of Regression, Linear Regression: Regression lines, Regression coefficients and its properties,	Lecture, PPT	Assignment	
12	Feb IV	04	Regressions lines for bi-variate data and simple problems.	Lecture	Assignment	
13	Mar I	04	Correlation vs regression. concept of multiple linear regression and partial regression.	Lecture	Seminar	
14	Mar II	04	Introduction of Attributes, Notations, Class, Order of class frequencies, Ultimate class frequencies, Consistency of data, Conditions for consistency of data for 2 and 3 attributes only	Lecture	Assignment	
15	Mar III	04	Independence of attributes , Association of attributes and its measures, Relationship between association and colligation of attributes, Contingency table: Square contingency(χ^2), Mean square contingency(ϕ^2), Coefficient of mean square contingency (C), Tschuprow's coefficient of contingency (τ^2).	Lecture		

Government College for Men (Autonomous): Kadapa
Department of Statistics

Teaching Plan

Paper 2: Probability Theory and Distributions

Year: 2021 - 22

No. of hour per week: 4

Semester: II

Total hours/credits: 60/4

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	April III	04	Basic concepts in probability-deterministic and random experiments, trial, outcome, sample space, event, and operations of events, mutually exclusive and exhaustive events, and equally likely and favourable outcomes with examples. Mathematical, Statistical and axiomatic definitions of probability with merits and demerits. Properties of probability based on axiomatic definition.	Lecture	Assignment	
2	April IV	04	Conditional probability and independence of events. Addition and multiplication theorems for n events. Boole's inequality and Bayes' theorem. Problems on probability using counting methods and theorems.	Lecture	Seminar	
3	May I	04	Definition of random variable, discrete and continuous random variables, functions of random variables, probability mass function and probability density functions with illustrations. Distribution function and its properties.	Lecture		
4	May II	04	Notion of bivariate random variable, bivariate distribution and statement of its properties. Joint, marginal and conditional distributions. Independence of random variables. Measures of location, Dispersion, Skewness, Kurtosis of random variable.	Lecture	Assignment	
5	June II	04	Mathematical expectation : Mathematical expectation of a random variable and function of a random variable. Moments and covariance using mathematical expectation with examples.	Lecture		
6	June III	04	Addition and Multiplication theorems on expectation. Chebyshev and Cauchy - Schwartz inequalities. Definitions of M.G.F, C.G.F, P.G.F, C.F and their properties.	Lecture	Assignment	

7	June IV	04	Bernoulli, Binomial distributions, their definitions, first four central moments, β_1 and β_2 . M.G.F, C.F, C.G.F, P.G.F, mean, variance, additive property if exists.	Lecture, PPT	Seminar	
8	July I	04	Poisson distribution- definition, first four central moments, β_1 and β_2 . M.G.F, C.F, C.G.F, P.G.F, mean, variance, additive property if exists. Poisson approximation to Binomial distribution.	Lecturer		
9	July II	04	Negative Binomial, distribution - Definition, mean, variance, M.G.F, C.F, C.G.F, P.G.F, reproductive property if exists. Poisson approximation to Negative binomial distribution.	Lecture	Seminar	
10	July III	04	Geometric distribution - Definition, mean, variance, M.G.F, C.F, C.G.F, P.G.F, reproductive property if exists and Lack of memory property.	Lecture		
11	July IV	04	Hyper-geometric distribution - Definition, mean, variance, Binomial approximation to Hyper Geometric Distribution	Lecture	Assignment	
12	Aug I	04	Rectangular Distribution - properties such as mean , variance, M.G.F, C.F. Exponential distribution - properties such as mean , variance, M.G.F, C.G.F, C.F, reproductive property if exist and memory less property.	Lecture	Seminar	
13	Aug II	04	Gamma and Beta Distributions of first and second kind. Other properties such as mean , variance, M.G.F, C.G.F, C.F, and reproductive property if exist.	Lecture	Assignment	
14	Aug III	04	Normal Distribution: Definition, Importance, Properties, M.G.F, CF. and Mode	Lecture, PPT	Assignment	
15	Aug IV	04	Normal Distribution: Area property, additive property, Normal distribution as a limiting case of Binomial and Poisson distribution. Cauchy Distribution definition, CF and reproductive property.	Lecture, PPT	Assignment	




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Government College for Men (Autonomous): Kadapa**Department of Statistics****Teaching Plan****Paper 3: Statistical Inference**

Year: 2021-22

Semester: III

No. of hour per week: 4

Total hours/credits: 60/4

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	Nov IV	04	Introduction of Exact Sampling distributions, Population, Sample, Parameter, statistic, Sampling distribution, Standard error.	Lecture		
2	Dec I	04	Definition and properties of Student's t- distribution, F – Distribution and their applications.	Lecture	Assignment	
3	Dec II	04	Definition and properties of χ^2 - Distribution its applications, the relationship between t and F – distribution and the relationship between F and χ^2 distribution.	Lecture, PPT	Assignment	
4	Dec III	04	Estimation of a parameter, criteria of a good estimator – unbiasedness and consistency – problems discussed	Lecture, PPT	Seminar	
5	Dec IV	04	efficiency, & sufficiency and. Statement of Neyman's factorization theorem – Problems discussed	Lecture	Assignment	
6	Jan I	04	Estimation of parameters by the method of moments and maximum likelihood (M.L), properties of MLE's. Binomial, Poisson & Normal Population parameters estimate by MLE method. Confidence Intervals.	Lecture, PPT	Assignment	
7	Jan III	04	Concepts of statistical hypotheses, null and alternative hypothesis, critical region, two types of errors, level of significance and power of a test. One and two tailed tests.	Lecture	Assignment	
8	Jan IV	04	Neyman-Pearson's lemma. Examples in case of Binomial, Poisson, Exponential and Normal distributions.	Lecture	Seminar	
9	Feb I	04	Large sample test for single mean and difference of two means, confidence intervals for mean(s).	Lecture	Assignment	
10	Feb II	04	Large sample test for single proportion, difference of proportions. standard deviation(s) and correlation	Lecture	Seminar	

			coefficient(s).			
11	Feb III	04	t-test for single mean, difference of means and paired t-test. F-test for equality of variances.	Lecture	Assignment	
12	Feb IV	04	χ^2 - test for single variance, χ^2 - test for goodness of fit and independence of attributes.	Lecture	Assignment	
13	Mar I	04	Non-parametric tests- their advantages and disadvantages, comparison with parametric tests. Measurement scale- nominal, ordinal, interval and ratio. One sample runs test, sign test and Wilcoxon-signed rank tests..	Lecture, PPT	Seminar	
14	Mar II	04	Sign test and Wilcoxon-signed rank tests for paired sample.	Lecture, PPT	Assignment	
15	Mar III	04	Two independent sample tests: Median test, Wilcoxon – Mann-Whitney U test, Wald Wolfowitz's runs test.	Discussion	Seminar	

Government College for Men (Autonomous): Kadapa

Department of Statistics

Teaching Plan

Paper 4: SAMPLING THEORY and DESIGN OF EXPERIMENTS

Year: 2021- 2022

Semester: IV

No. of hour per week: 4

Total hours/credits:60/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	April III	04	Principal steps in sample surveys - census versus sample survey, sampling and non- sampling errors, advantages of sampling over census and limitations of sampling.	Lecture		
2	April IV	04	Types of sampling: Subjective, probability and mixed sampling methods.	Lecture	Seminar	
3	May I	04	Simple random sampling , selection procedure of simple random sampling, Advantages and Disadvantages of simple random sampling.	Lecture	Assignment	
4	May II	04	Estimation of population mean, population total and variance of these estimates by Simple random sampling with and without replacement.	Lecture		
5	June II	04	Comparison between SRSWR and SRSWOR.	Lecture	Assignment	

6	June III	04	Stratified random sampling, Advantages and Disadvantages of Stratified Random sampling, Estimation of population mean, and its variance.	Lecture	Seminar	
7	June IV	04	Stratified random sampling with proportional and optimum allocations. Comparison between proportional and optimum allocations with SRSWOR.	Lecture	Assignment	
8	July I	04	Systematic sampling definition when $N = nk$ and merits and demerits of systematic sampling	Lecture		
9	July II	04	Estimate of mean and its variance. Comparison of systematic sampling with Stratified and SRSWOR.	Lecture	Assignment	
10	July III	04	Analysis of variance(ANOVA) –Definition and assumptions. One-way with equal and unequal classification, Two way classification.	Lecture, PPT		
11	July IV	04	Definition, Principles of design of experiments, CRD: Layout, advantages and disadvantage and Statistical analysis of Completely Randomized Design (C.R.D).	Lecture	Seminar	
12	Aug I	04	Randomized Block Design (R.B.D) – layout and Analysis, Missing plot technique in RBD. Efficiency RBD over CRD,	Lecture, PPT	Assignment	
13	Aug II	04	Latin Square Design (L.S.D) -layout and Analysis, Missing plot technique in LSD. Efficiency of LSD over RBD and CRD.	Lecture, PPT	Seminar	
14	Aug III	04	Factorial experiments – Main effects and interaction effects of 2^2 factorial experiment - Statistical analysis.	Lecture	Assignment	
15	Aug IV	04	2^3 factorial experiment-Statistical analysis. Yates procedure to find factorial effect totals.	Lecture		




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Government College for Men (Autonomous): Kadapa
Department of Statistics

Teaching Plan
Paper 5 : Applied Statistics

Year: 2021- 2022

Semester: IV

No. of hour per week: 4

Total hours/credits:60/4

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	April III	04	Time Series and its components with illustrations, additive, multiplicative models.	Lecture, PPT		
2	April IV	04	Determination of trend by least squares (Linear trend, parabolic trend only) moving averages method.	Lecture, PPT	Assignment	
3	May I	04	Determination of seasonal indices by simple averages method, ratio to moving average, Ratio to trend and Link relative methods.	Lecture, PPT		
4	May II	04	Modified exponential curve, Logistic curve and Grompertz curve	Lecture	Seminar	
5	June II	04	fitting of growth curves by the method of three selected points and partial sums.	Lecture	Assignment	
6	June III	04	Concept, construction, problems involved in the construction of index numbers, uses and limitations.	Lecture	Assignment	
7	June IV	04	Simple and weighted index numbers. Laspayer's, Paasche's and Fisher's index numbers,	Lecture	Seminar	
8	July I	04	Criterion of a good index number, Fisher's ideal index numbers. Fixed and chain base index numbers.	Lecture	Assignment	
9	July II	04	Cost of living index number and wholesale price index number. Base shifting, splicing and deflation of index numbers.	Lecture		
10	July III	04	Functions and organization of CSO and NSSO. Agricultural Statistics, area and yield statistics.	Lecture, PPT	Assignment	
11	July IV	04	National income and computation, utility and difficulties in estimation of national income.	Lecture		
12	Aug I	04	Introduction, definition and uses of vital statistics, sources of vital statistics. Mortality rates: Crude death rate(CDR), Specific death rate(SDR), standardized death rate(STD R).	Lecture,	Seminar	
13	Aug II	04	Fertility rates: crude birth rate(CBR), age specific fertility rate(ASFR), general fertility rate(GFR), total fertility rate(TFR).	Discussion	Assignment	
14	Aug III	04	Measurement of population growth: crude rate of natural increase and pearl's vital index, Gross reproduction rate(GRR) and net reproduction rate(NRR). Life tables: construction and uses of life tables and abridged life tables.	Lecture		

Government College for Men (Autonomous): Kadapa
Department of Statistics

Teaching Plan

Paper 5: SAMPLING THEORY and DESIGN OF EXPERIMENTS

Year: 2021- 2022

Semester: V

No. of hour per week: 3

Total hours/credits:45/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	Sep I	03	Principal steps in sample surveys - census versus sample survey, sampling and non- sampling errors, advantages of sampling over census and limitations of sampling.	Lecture		
2	Sep II	03	Types of sampling: Subjective, probability and mixed sampling methods.	Lecture	Seminar	
3	Sep III	03	Simple random sampling , selection procedure of simple random sampling, Advantages and Disadvantages of simple random sampling.	Lecture	Assignment	
4	Sep IV	03	Estimation of population mean, population total and variance of these estimates by Simple random sampling with and without replacement.	Lecture		
5	Oct I	03	Comparison between SRSWR and SRSWOR.	Lecture	Assignment	
6	Oct III	03	Stratified random sampling, Advantages and Disadvantages of Stratified Random sampling, Estimation of population mean, and its variance.	Lecture	Seminar	
7	Oct IV	03	Stratified random sampling with proportional and optimum allocations. Comparison between proportional and optimum allocations with SRSWOR.	Lecture	Assignment	
8	Nov I	03	Systematic sampling definition when $N = nk$ and merits and sdemerits of systematic sampling	Lecture		
9	Nov II	03	Estimate of mean and its variance. Comparison of systematic sampling with Stratified and SRSWOR.	Lecture	Assignment	
10	Nov III	03	Analysis of variance(ANOVA) –Definition and assumptions. One-way with equal and unequal classification, Two way classification.	Lecture, PPT		

11	Nov IV	03	Definition, Principles of design of experiments, CRD: Layout, advantages and disadvantage and Statistical analysis of Completely Randomized Design (C.R.D).	Lecture	Seminar	
12	Dec I	03	Randomized Block Design (R.B.D) – layout and Analysis, Missing plot technique in RBD. Efficiency RBD over CRD,	Lecture, PPT	Assignment	
13	De II	03	Latin Square Design (L.S.D) -layout and Analysis, Missing plot technique in LSD. Efficiency of LSD over RBD and CRD.	Lecture, PPT	Seminar	
14	Dec III	03	Factorial experiments – Main effects and interaction effects of 2^2 factorial experiment - Statistical analysis.	Lecture	Assignment	
15	Dec IV	03	2^3 factorial experiment-Statistical analysis. Yates procedure to find factorial effect totals.	Lecture		



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Department of Statistics
Teaching Plan
Paper 6: Statistical Quality Control and Reliability

Year: 2021-22

Semester: V

No. of hour per week: 3

Total hours/credits: 45/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	Sep I	03	SQC Definition, Importance of SQC in industry and limitations of SQC	Lecture, PPT		
2	Sep II	03	Causes of variation: chance and assignable causes, Process and Product control	Lecture	Seminar	
3	Sep III	03	Importance of Normal distribution and 3σ control limits.specification limits and Natural tolerance limits.	Lecture	Assignment	
4	Sep IV	03	Shewart control charts – Variable Control Charts- $\bar{X}$ and R-chart, $\bar{X}$ and S- chart.	Lecture		
5	Oct I	03	Attribute type of charts p- chart(Proportion of defectives) with fixed and variable sample size and . its applications.	Lecture	Assignment	
6	Oct III	03	Attribute type of charts - np- chart(No.of defectives) with fixed and variable sample size and, its applications.	Lecture	Seminar	
7	Oct IV	03	C-Chart(No. of defects per unit), its applications.	Lecture, PPT	Assignment	
8	Nov I	03	Acceptance sampling plans: Definition, Types of Accepting sampling plans, Merits and demerits of Acceptance sampling plans, applications.	Lecture, PPT	Assignment	
9	Nov II	03	Concept of, AQL and LTPD, Producers risk and Consumer's risk. Definitions of AOQ and AOQL curves. OC , ASN, and ATI curves	Lecture, PPT	Assignment	
10	Nov III	03	Single sampling plan for attributes and derivation of OC and ASN functions. Design of single sampling plans for attributes.	Lecture		
11	Nov IV	03	Double sampling plans for attributes and derivation of their OC and ASN functions.	Lecture	Seminar	
12	Dec I	03	Design of double sampling plans for attributes. Comparison of single sampling plan and double sampling plan	Lecture	Assignment	
13	De II	03	Meaning and concept of reliability, Reliability measures –Failure Density, Failure Rate or Hazard function, Probability of Failure, Mean Time to Failure(MITF), Mean Time Between Failures(MTBF).	Lecture	Seminar	
14	Dec III	03	Exponential distribution as life model, its memory- less property.	Lecture, PPT	Assignment	
15	Dec IV	03	Previous old question papers	Discussion		

Government College for Men (Autonomous): Kadapa

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Teaching Plan

Module 7: Economic Statistics

Year: 2021 - 22

Semester: VI

No. of hour per week: 3

Total hours/credits: 45/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	Nov III	03	Time Series and its components with illustrations, additive, multiplicative models.	Lecture, PPT		
2	Nov IV	03	Determination of trend by least squares (Linear trend, parabolic trend only) moving averages method.	Lecture, PPT	Assignment	
3	Dec I	03	Determination of seasonal indices by simple averages method, ratio to moving average, Ratio to trend and Link relative methods.	Lecture, PPT		
4	Dec II	03	Modified exponential curve, Logistic curve and Gompertz curve	Lecture	Seminar	
5	Dec III	03	fitting of growth curves by the method of three selected points and partial sums.	Lecture	Assignment	
6	Dec IV	03	Concept, construction, problems involved in the construction of index numbers, uses and limitations.	Lecture	Assignment	
7	Jan I	03	Simple and weighted index numbers. Laspayer's, Paasche's and Fisher's index numbers,	Lecture	Seminar	
8	Jan III	03	Criterion of a good index number, Fisher's ideal index numbers. Fixed and chain base index numbers.	Lecture	Assignment	
9	Jan IV	03	Cost of living index number and wholesale price index number. Base shifting, splicing and deflation of index numbers.	Lecture		
10	Feb I	03	Functions and organization of CSO and NSSO. Agricultural Statistics, area and yield statistics.	Lecture, PPT	Assignment	
11	Feb II	03	National income and computation, utility and difficulties in estimation of national income.	Lecture		
12	Feb III	03	Introduction, definition and uses of vital statistics, sources of vital statistics. Mortality rates: Crude death rate(CDR), Specific death rate(SDR), standardized death rate(STD).	Lecture,	Seminar	
13	Feb IV	03	Fertility rates: crude birth rate(CBR), age specific fertility rate(ASFR), general fertility rate(GFR), total fertility rate(TFR).	Discussion	Assignment	
14	Mar I	03	Measurement of population growth: crude rate of natural increase and pearl's vital index, Gross reproduction rate(GRR) and net reproduction rate(NRR). Life tables: construction and uses of life tables and abridged life tables.	Lecture		
15	Mar II	03	Old question papers	Discussion	Seminar	




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Proforma for Annual Curricular Plan (Lecture wise): 2021-22

Department: PHYSICS Class : B.Sc. M.P.CS (EM) Year :III SEM: V Paper :V (Electricity, Magnetism & Electronics)

Name of the Lecturer: Dr.C.Nageswara Raju

S.No	Month & Week	Hours Available	Syllabus topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
					Activity	Hours allotted	Whether conducted	If not alternate date	Activity	Hours allotted	Whether conducted	If not alternate date	
1	OCT 2 nd week	4+2	Number systems - Conversion of binary to decimal system and vice versa		Class room teaching	2	Yes						
					Practicals	2	Yes						
2	3 rd week	4+2	Laws of Boolean algebra, De Morgan's laws - statement and proof, Basic logic gates		Class room teaching	3	Yes						
					Practicals	2	Yes						
3	4 th week	4+2	NAND and NOR as universal gates, exclusive-OR gate, Half and full adders.		Class room teaching	3	Yes						
					Practicals	2	Yes						

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Proforma for Annual Curricular Plan (Lecture wise): 2021-22

Department: PHYSICS Class : B.Sc. M.P.CS (EM) Year :III SEM: V Paper :V (Electricity, Magnetism & Electronics)

Name of the Lecturer: Dr.C.Nageswara Raju

S.No	Month & Week	Hours Available	Syllabus topic	Additional Input/Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
					Activity	Hours allotted	Whether conducted	If not alternate date	Activity	Hours allotted	Whether conducted	If not alternate date	
1	Nov 1 st week	4+2	PN junction diode and Zener diode - I-V characteristics	Band theory of solids	Class room teaching Practicals	2 2	Yes Yes						
2	2 nd week	4+2	PNP and NPN transistors, CB, CE and CC configurations	P type and N type semiconductors	Class room teaching Practicals	3 2	Yes Yes						
3	3 rd week	4+2	Transistor (CE) characteristics, Determination of hybrid parameters		Class room teaching Practicals	3 2	Yes Yes						
4	4 th week	4+2	Transistor as an amplifier.		Class room teaching Practicals	3 2	Yes Yes						

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Proforma for Annual Curricular Plan (Lecture wise): 2021-22

Department: PHYSICS Class : B.Sc. M.P.CS (E) Year :III SEM: VI Paper : VIII-A-2: Computational Methods and Programming

Name of the Lecturer: Dr.C.Nageswara Raju

S.No	Month & Week	Hours Avail able	Syllabus topic	Additional Input/ Value Addition	Curricular Activity				Co-Curricular Activity				Re mar ks
					Activity	Hours allotted	Whether conducted	If not alternate date	Activity	Hours allotted	Whether conducted	If not alternate date	
1	FEB 1 st week	4+2	Unit-I: C character set- Identifiers and Keywords- Constants -Variables-Data types	Introduct ion to C	Class room teaching Practicals	3	Yes						
2	2 nd week	4+2				2	Yes						
3	3 rd week	4+2			Class room teaching Practicals	3	Yes						
						2	Yes						
4	4 th week	4+2			Class room teaching Practicals	3 2	Yes Yes						

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Proforma for Annual Curricular Plan (Lecture wise): 2021-22

Department: PHYSICS Class : B.Sc. M.P.CS (E) Year : III SEM: VI Paper : VIII-A-2: Computational Methods and Programming

Name of the Lecturer: Dr.C.Nageswara Raju

S.No	Month & Week	Hours Available	Syllabus topic	Additional Input/Value Addition	Curricular Activity								
					Activity	Hours allotted	Whether conducted	If not alternate date	Activity	Hours allotted	Whether conducted		
1	MAR 1 st week	4+2	Unit-II: Arithmetic expressions- Precedence of arithmetic operators-Type converters in expressions		Class room teaching Practicals	2 2	Yes Yes						
2	2 nd week	4+2	Mathematical (Library) functions - Data input and output-The getchar and putchar functions, scanf- printf and simple programs.		Class room teaching Practicals	3 2	Yes Yes						
3	3 rd week	4+2	Unit-III: One dimensional and two dimensional arrays - Initialization Type declaration		Class room teaching Practicals	3 2	Yes Yes						
4	4 th week	4+2	Inputting and outputting of data for arrays - Programs of matrices addition, subtraction and multiplication		Class room teaching Practicals	3 2	Yes Yes						

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Govt. College for Men (A): Kadapa

Proforma for Annual Curricular Plan (Lecture wise): 2021-22

Department: PHYSICS Class : B.Sc. M.P.CS (E) Year :III SEM: VI Paper : VIII-A-2: Computational Methods and Programming
Name of the Lecturer: Dr.C.Nageswara Raju

S.No	Month & Week	Hours Available	Syllabus topic	Additional Input/ Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
					Activity	Hours allotted	Whether conducted	If not alternate date	Activity	Hours allotted	Whether conducted	If not alternate date	
1	APR 1 st week	4+2	Unit-IV: Solution of Algebra and transcendental equations-		Class room teaching Practicals	2 2	Yes Yes						
2	2 nd week	4+2	Bisection, False-position and Newton-Rhapson methods		Class room teaching Practicals	3 2	Yes Yes						
3	3 rd week	4+2	Basic principles- Formulae-algorithms		Class room teaching Practicals	3 2	Yes Yes						
4	4 th week	4+2	Unit-V: Numerical differentiation-algorithm for evaluation of first order derivatives using formulae based on Taylor's series		Class room teaching Practicals	3 2	Yes Yes						

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Proforma for Annual Curricular Plan (Lecture wise): 2021-22

Department: PHYSICS Class : B.Sc. M.P.CS (E) Year : III SEM: VI Paper : VIII-A-2: Computational Methods and Programming
Name of the Lecturer: Dr.C.Nageswara Raju

S.No	Month & Week	Hours Available	Syllabus topic	Additional Input/ Value Addition	Curricular Activity				Co-Curricular Activity				Remarks
					Activity	Hours allotted	Whether conducted	If not alternate date	Activity	Hours allotted	Whether conducted	If not alternate date	
1	MAY 1 st week	4+2	Numerical integration-Trapezoidal and Simpson's 1/3 rule- Formulae-Algorithms.		Class room teaching Practicals	2 2	Yes Yes						
2	2 nd week	4+2	Programs related to Unit-IV and V		Class room teaching Practicals	3 2	Yes Yes						
3	3 rd week	4+2	Summer holidays										
4	4 th week	4+2	Summer holidays										

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Government College for Men (Autonomous), Kadapa

PHYSICS- CURRICULUM PLAN

PaperI: MECHANICS, WAVES AND OSCILLATIONS

Year: 2021-22

Semester:1

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Laws of motion, motion of variable mass system, Motion of a rocket, multi-stage rocket, Conservation of energy and momentum	Lecture, PPT	-
2	Dec I	04	Collisions in two and three dimensions, Concept of impact parameter, scattering-cross-section, Rutherford scattering	Lecture & Demonstration	Assignment
3	Dec II	04	Rigid body, Rotational kinematic relations, Rotational kinetic energy and moment of inertia, Angular momentum, Torque, Relation between torque and angular momentum,	Lecture, PPT	Assignment
4	Dec III	04	Conservation of angular momentum, Illustrations, Gyroscopic motion (No derivation - Qualitative ideas only), Precession of the equinoxes	Lecture, PPT	Seminar
5	Dec IV	04	Central force-Definition & examples, General Characteristics of Central forces, Conservative nature of central forces,	Lecture, PPT	
6	Jan I	04	Planetary motion- Kepler's laws (Statements & Explanation), Deduction of Newton's law of gravitation from Kepler's law,	Lecture, Discussion	
7	Jan III	04	Geostationary Satellite Motion, Uses of communication satellites, Basic idea of Global Positioning System (GPS) and their applications.	Lecture	
8	Jan IV	04	Inertial and Non-inertial reference frames-Galilean relativity; Special theory of relativity Statements of the two basic postulates	Discussion	Assignment
9	Feb I	04	Lorentz transformation equations length contraction; time dilation; addition of velocities; Einstein's mass-energy equation	Lecture, PPT	Assignment
10	Feb II	04	Simple harmonic motion, Characteristics of SHM, Equation of motion and solution, Combination of Simple harmonic motions along a line and perpendicular to each other Lissajous figures & uses,	Lecture	Seminar
11	Feb III	04	Damped vibrations: Explanation, Distinction between damped and undamped vibrations, Forced vibrations, Resonance, Sharp resonance and Flat resonance, Sharpness of resonance, Q-factor,	Lecture, Discussion	
12	Feb IV	04	Progressive waves-Equation of a progressive wave, Velocity of transverse waves in elastic media, Standing waves, overtones and harmonics,	Lecture	
13	Mar I	04	Sonometer-Verification of laws of transverse vibrations in a stretched string, Phenomenon of beats	Discussion	Assignment
14	Mar II	04	Ultrasonics, properties, production of ultrasonics by piezoelectric	Discussion	
15	Mar III	04	magnetostriction methods, detection of ultrasonics, Applications of ultrasonic waves	Lecture	

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PHYSICS- CURRICULUM PLAN

Paper II: WAVE OPTICS

Year: 2021-22

Semester: 2

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	Monochromatic aberrations, Chromatic aberration Methods of minimizing spherical aberration methods of minimizing spherical aberration	Lecture, PPT	Assignment
2	Apr III	04	, Coma, astigmatism and curvature of field, distortion Chromatic aberration the achromatic doublet. Achromatism for two lenses (i)in contact and (ii) separated by a distance.	Discussion, PPT	Seminar
3	Apr IV	04	Principle of superposition – coherence temporal coherence and spatial coherence conditions for Interference of light	Lecture, PPT	-
4	May I	04	Fresnel's bi-prism – determination of wave length of light. Determination of thickness of a transparent material using Bi-prism	Lecture	-
5	May II	04	Cosine law Colours of thin films – Nonreflecting films Interference by a film with two non-parallel reflecting surfaces (Wedge shaped film) Determination of diameter of wire	Lecture,	Assignment
6	May III	04	Determination of diameter of wire, Newton's rings in reflected light. Determination of wavelength of monochromatic light,	Discussion	Assignment
7	May IV	04	Michelson Interferometer Determination of wavelength of monochromatic light, thickness of a thin transparent plate	Discussion	
8	Jun I	04	Distinction between Fresnel and Fraunhofer diffraction Fraunhofer diffraction: Diffraction due to single slit and circular aperture – Limit of resolution	Lecture	
9	Jun II	04	Fraunhofer diffraction due to double slit – Fraunhofer diffraction pattern with N slits (diffraction grating	Lecture, PPT	
10	Jun III	04	Resolving power of grating-Determination of wavelength of light in normal and oblique incidence methods using diffraction grating.	Lecture	Assignment
11	Jun IV	04	Fresnel's half period zones – area of the half period zones –zone plate – Comparison of zone plate with convex lens, diffraction at a straight edged difference between interference and diffraction.	Lecture, PPT	seminar
12	Jul I	04	Methods of Polarization, Scattering of light – Brewster's law Malus law – Nicol prism polarizer and analyzer	Discussion, PPT	Assignment
13	Jul II	04	Quarter wave plate, Half wave plate Babinet's compensator Optical activity, analysis of light by Laurent's half shade polarimeter.		-
14	Jul III	04	Lasers: Introduction – Spontaneous emission – Stimulated emission – Population inversion. Laser principle – Einstein coefficients	Lecture, PPT	-
15	Jul IV	04	He-Ne laser – Ruby laser – Applications of lasers. Basic different types of fibers	Lecture	Assignment

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PHYSICS- CURRICULUM PLAN

PaperIII:WAVE OPTICS

Year: 2021-22

Semester: 3

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Monochromatic aberrations, Chromatic aberration Methods of minimizing spherical aberration methods of minimizing spherical aberration	Lecture, PPT	Seminar
2	Dec I	04	, Coma, astigmatism and curvature of field, distortion Chromatic aberration the achromatic doublet. Achromatism for two lenses (i)in contact and (ii) separated by a distance.	Demonstration	Assignment
3	Dec II	04	Principle of superposition – coherence temporal coherence and spatial coherence conditions for Interference of light	Demonstration	Seminar
4	Dec III	04	Fresnel's bi-prism – determination of wave length of light. Determination of thickness of a transparent material using Bi-prism	Lecture, PPT	
5	Dec IV	04	Cosine law Colours of thin films – Nonreflecting films Interference by a film with two non-parallel reflecting surfaces (Wedge shaped film) Determination of diameter of wire	Lecture, PPT	Assignment
6	Jan I	04	Determination of diameter of wire, Newton's rings in reflected light. Determination of wavelength of monochromatic light,	Lecture, PPT	Seminar
7	Jan III	04	Michelson Interferometer Determination of wavelength of monochromatic light, thickness of a thin transparent plate	Lecture	
8	Jan IV	04	Distinction between Fresnel and Fraunhofer diffraction Fraunhofer diffraction: Diffraction due to single slit and circular aperture – Limit of resolution	Demonstration	Assignment
9	Feb I	04	Fraunhofer diffraction due to double slit – Fraunhofer diffraction pattern with N slits (diffraction grating	Lecture, PPT	
10	Feb II	04	Resolving power of grating- Determination of wavelength of light in normal and oblique incidence methods using diffraction grating.	Lecture	Assignment
11	Feb III	04	Fresnel's half period zones – area of the half period zones – zone plate – Comparison of zone plate with convex lens, diffraction at a straight edged difference between interference and diffraction.	Lecture, PPT	Seminar
12	Feb IV	04	Methods of Polarization, Scattering of light – Brewster's law Malus law – Nicol prism polarizer and analyzer	Lecture	Seminar
13	Mar I	04	Quarter wave plate, Half wave plate Babinet's compensator Optical activity, analysis of light by Laurent's half shade polarimeter.	Demonstration	Assignment
14	Mar II	04	Lasers: Introduction – Spontaneous emission – Stimulated emission – Population inversion. Laser principle – Einstein coefficients	Lecture, Drill	
15	Mar III	04	He-Ne laser – Ruby laser – Applications of lasers. Basic different types of fibers	Lecture, Drill	Seminar

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PHYSICS- CURRICULUM PLAN

Paper IV:HEAT AND THERMODYNAMICS

Year: 2021-22

Semester: 4

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	Introduction – Deduction of Maxwell's law of distribution of molecular speeds Transport Phenomena – Viscosity of gases – thermal conductivity – diffusion of gases.	Discussion	-
2	Apr III	04	Reversible and irreversible processes – Carnot's engine and its efficiency – Carnot's theorem Second law of thermodynamics, Thermodynamic scale of temperature	Lecture	Assignment
3	Apr IV	04	Entropy, physical significance – Change in entropy in reversible and irreversible processes – Entropy and disorder – Entropy of universe	Lecture, PPT	Assignment
4	May I	04	Temperature- Entropy (T-S) diagram – Change of entropy of a perfect gas-change of entropy when ice changes into steam.	Lecture	
5	May II	04	Thermodynamic potentials– Derivation of Maxwell's thermodynamic relations	Lecture, PPT	Assignment
6	May III	04	Clausius-Clayperon's equation – Derivation for ratio of specific heats – Derivation for difference of two specific heats for perfect gas	Discussion	Seminar
7	May IV	04	Joule Kelvin effect – expression for Joule Kelvin coefficient for perfect and Vanderwaal's gas	Discussion	Seminar
8	Jun I	04	Joule Kelvin effect – liquefaction of gas using porous plug experiment. Liquefaction of helium, Kapitza's method	Lecture	Assignment
9	Jun II	04	Joule expansion – Distinction between adiabatic and Joule Thomson expansion Expression for Joule Thomson cooling	Lecture	Assignment
10	Jun III	04	Adiabatic demagnetization Production of low temperatures	Lecture, PPT	Seminar
11	Jun IV	04	Black body-Ferry's black body – distribution of energy in the spectrum of Black body	Lecture	
12	Jul I	04	Wein's displacement law, Wein's law Black body radiation - Rayleigh-Jean's law	Lecture, PPT	Assignment
13	Jul II	04	Quantum theory of radiation - Planck's law Types of pyrometers – Disappearing filament optical pyrometer	Lecture	
14	Jul III	04	Experimental determination- Angstrom pyroheliometer - Determination of solar constant, effective temperature of sun.	Lecture, PPT	Assignment



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PHYSICS- CURRICULUM PLAN

Paper V: ELECTRICITY MAGNETISM AND ELECTRONICS

Year: 2021-22
No. of hour per week: 4

Semester: 5
Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Sep I	04	Gauss's law statement and its proof- Electric field intensity due to (1) Uniformly charged sphere and (2) an infinite conducting sheet of charge.	Lecture	-
2	Sep II	04	Electrical potential – potential due to i) a point charge, ii) charged spherical shell, Equipotential surfaces.	Lecture	Seminar
3	Sep III	04	Electric Dipolemoment and molecular polarizability- Electric displacement D, electric polarization P	Demonstration	Assignment
4	Sep IV	04	Relation between D, E and P- Dielectric constant and susceptibility	Lecture, PPT	
5	Oct II	04	Biot-Savart's law, explanation and calculation of B due to long straight wire and solenoid	Lecture, PPT	Assignment
6	Oct III	04	Hall effect – determination of Hall coefficient and applications	Lecture, PPT	Seminar
7	Oct IV	04	Faraday's laws, Lenz's law, Self and mutual inductances, coefficient of coupling, calculation of self-inductance of a long solenoid	Lecture, PPT	Assignment
8	Nov I	04	Energy Stored in magnetic field, Transformer - energy losses - efficiency.	Lecture, PPT	
9	Nov II	04	Alternating current - Relation between current and voltage in LR and CR circuits - vector diagrams	Lecture, PPT	Assignment
10	Nov III	04	LCR series and parallel resonant circuits, Q –factor.	Discussion	
11	Nov IV	04	Idea of displacement current - Maxwell's equations Maxwell's wave equation, Transverse nature of electromagnetic waves, production of electromagnetic waves	Discussion, Drill	Seminar
12	Dec I	04	PN junction diode and Zener diode - I-V characteristics, PNP and NPN transistors, CB, CE and CC configurations	Lecture	Assignment
13	Dec II	04	Transistor (CE) characteristics, Determination of hybrid parameters, Transistor as an amplifier	Discussion	Seminar
14	Dec III	04	Number systems - Conversion of binary to decimal system and vice versa, Laws of Boolean algebra, De Morgan's laws-statement and proof	Lecture, PPT	Assignment
15	Dec IV	04	Basic logic gates, NAND and NOR as universal gates, exclusive-OR gate, Half and full adders.	Lecture, PPT	




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Paper VI: MODERN PHYSICS

Year: 2021-22
No. of hour per week: 4

Semester: 5
Total hours/Credits: 45/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Sep I	04	Drawbacks of Bohr's atomic model, Sommerfeld's elliptical orbits -relativistic correction Vector atom model- quantum numbers associated with it	Lecture	-
2	Sep II	04	Stern-Gerlach experiment, Zeeman effect and its experimental arrangement. Raman effect hypothesis, Stokes and Anti Stokes lines,	Lecture	Seminar
3	Sep III	04	Quantum theory of Raman effect, Experimental arrangement, Applications of Raman effect	Demonstration	Assignment
4	Sep IV	04	Matter waves, de Broglie's hypothesis - wavelength of matter waves,	Lecture, PPT	
5	Oct II	04	Properties of matter waves, Davisson and Germer experiment	Lecture, PPT	Assignment
6	Oct III	04	Heisenberg's uncertainty principle for position and momentum (x and p), energy and time (E and t). Experimental verification	Lecture, PPT	Seminar
7	Oct IV	04	Basic postulates of quantum mechanics, Schrodinger time independent and time dependent wave equations-derivations	Lecture, PPT	Assignment
8	Nov I	04	Physical interpretation of wave function,	Lecture, PPT	
9	Nov II	04	Application of Schrodinger wave equation to particle in one dimensional potential infinite box.	Lecture, PPT	Assignment
10	Nov III	04	Basic ideas of nucleus - size, mass, charge, density, angular momentum, magnetic moment, electric quadrupole moments	Discussion	
11	Nov IV	04	Binding energy of nucleus, Liquid drop model and Shell model	Discussion, Drill	Seminar
12	Dec I	04	α -decay - Gamow's theory, Geiger Nuttal law, β -decay- electron emission positron emission Electron capture and neutrino hypothesis of β -decay	Lecture	Assignment
13	Dec II	04	Amorphous and crystalline materials, unit cell, Miller indices, Bragg's law	Discussion	Seminar
14	Dec III	04	Diffraction of X-rays by crystals-experimental techniques of Laue's method and powder diffraction method.	Lecture, PPT	Assignment
15	Dec IV	04	Introduction, experimental facts, critical temperature, critical field, Meissner effect, Isotope effect Type I and type II superconductors, applications of superconductors	Lecture, PPT	



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PaperVII (ELECTIVE): ANALOG AND DIGITAL ELECTRONICS

Year: 2021-22
No. of hour per week: 3

Semester: 6
Total hours/Credits: 45/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Jan III	03	Advantages of FET over BJT,FET-Construction, Working	Lecture	-
2	Jan IV	03	FET-characteristics and uses; MOSFET-enhancement	Lecture	Assignment
3	Feb I	03	MOSFET, depletion MOSFET, construction and working	Demonstration	
4	Feb II	03	Drain transfer characteristics of MOSFET, applications of MOSFET.	Lecture, PPT	
5	Feb III	03	Characteristics of ideal and practical Op-Amp (IC 741), Basic differential amplifiers, Op-Amp supply voltage.	Lecture, PPT	Assignment
6	Feb IV	03	IC identification, Internal blocks of Op-Amp, its parameter -off set voltages and currents, CMRR, slew rate	Lecture, PPT	
7	Mar I	03	Op-Amp as voltage amplifier, Inverting amplifier, Non-inverting amplifier, voltage follower	Lecture, PPT	Seminar
8	Mar II	03	Summing amplifier, difference amplifier, comparator, integrator, differentiator	Lecture, PPT	
9	Mar III	03	Its pin diagram,internal architecture, Application as astable-multivibrator	Lecture, PPT	Assignment
10	Mar IV	03	Mono stable multivibrator, Applications of mono stable multivibrator- frequency divider, pulse stretcher,	Discussion	
11	Apr I	03	Applications of astable multivibrator-a) square wave oscillator	Discussion,	Seminar
12	Apr II	03	Applications of astable multivibrator- Free-running ramp generator	Lecture	Assignment
13	Apr III	03	Flip-flops, RS, Clocked SR	Discussion	
14	Apr IV	03	JK, D, T, Flip- flops	Lecture, PPT	Assignment
15	May I	03	JK, Master-Slave Flip- flops, Conversion of Flip flops	Lecture, PPT	Seminar



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PHYSICS- CURRICULUM PLAN

CLUSTER I: ELECTRONIC DEVICES AND CIRCUITS

Year: 2021-22
No. of hour per week: 3

Semester: 6
Total hours/Credits: 45/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Jan III	03	Statement and proofs of Superposition Theorem, Thevenin's Theorem	Lecture	-
2	Jan IV	03	Norton's Theorem, Maximum Power transfer theorem	Lecture	Assignment
3	Feb I	03	Milliman's theorem and Reciprocity theorem.	Demonstration	
4	Feb II	03	UJT construction-working, V-I characteristics, Experimental determination of UJT parameters, UJT as a Relaxation oscillator	Lecture, PPT	Seminar
5	Feb III	03	Silicon Controlled Rectifier (SCR), Structure and working of SCR. Two transistor representation	Lecture, PPT	Assignment
6	Feb IV	03	Characteristics of SCR Experimental set up to study the SCR characteristics, Application of SCR for power control	Lecture, PPT	
7	Mar I	03	Half wave, full wave and bridge rectifiers-Efficiency-ripple factor- Regulation	Lecture, PPT	Seminar
8	Mar II	03	Bridge rectifiers-Efficiency-ripple factor- Regulation	Lecture, PPT	
9	Mar III	03	Types of filter-choke input (inductor) filter, L-section & π -section filters	Lecture, PPT	Assignment
10	Mar IV	03	Three terminal fixed voltage I.C(78 XX). regulators - Principle and working of SMPS (switch mode power supplies).	Discussion	
11	Apr I	03	Structure and operation, characteristics, spectral response and application of photo diode	Discussion, Drill	Seminar
12	Apr II	03	Multiple junction photo diode, LDR and LED, Photovoltaic cell.	Lecture	
13	Apr III	03	Block diagram of basic CRO, construction of CRT, electron gun, electrostatic focusing and acceleration,	Discussion	
14	Apr IV	03	Time base operation, Measurements of dc and ac voltages, ac frequency, time period,	Lecture, PPT	Assignment

Government College for Men (Autonomous), Kadapa
PHYSICS- CURRICULUM PLAN

CLUSTER II : Computational Methods and Programming

Year: 2021-22
 No. of hour per week: 3

Semester: 6
 Total hours/Credits: 45/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Jan III	03	C character set-Identifiers and Keywords-Constants -Variables-Data types	Lecture	-
2	Jan IV	03	Declarations of variables-Declaration of storage class-Defining symbolic constants-Assignment statement	Lecture	Assignment
3	Feb I	03	Arithmetic operators-Relational operators-Logic operators	Demonstration	
4	Feb II	03	Assignment operators- Increment and decrement operators-Conditional operators	Lecture, PPT	
5	Feb III	03	Arithmetic expressions-Precedence of arithmetic operators	Lecture, PPT	Assignment
6	Feb IV	03	Type converters in expressions-Mathematical (Library) functions	Lecture, PPT	
7	Mar I	03	Data input and output-The getchar and putchar functions-Scanf-Printf simple programs	Lecture, PPT	Seminar
8	Mar II	03	One dimensional and two-dimensional arrays	Lecture, PPT	
9	Mar III	03	Initialization - Type declaration - Inputting and outputting of data for arrays	Lecture, PPT	Assignment
10	Mar IV	03	Programs of matrices addition, subtraction and multiplication	Discussion	
11	Apr I	03	Solution of Algebra and transcendental equations-Bisection, Falsi position	Discussion,	Seminar
12	Apr II	03	Newton-Rhapson methodsBasic principles-Formulae-algorithms	Lecture	Assignment
13	Apr III	03	Numerical differentiation-algorithm for evaluation of first order derivatives using formulae based on Taylor's series	Discussion	
14	Apr IV	03	Numerical integration-Trapezoidal	Lecture, PPT	Assignment
15	May I	03	Numerical integration- Simpson's 1/3 rule- Formulae-Algorithms	Lecture, PPT	Seminar

Government College for Men (Autonomous), Kadapa
PHYSICS- CURRICULUM PLAN

CLUSTER III : Electronic Instrumentation

Year: 2021-22
No. of hour per week: 3

Semester: 6
Total hours/Credits: 45/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Jan III	03	Instrument, accuracy, precision, sensitivity, resolution, range, errors in measurement	Lecture	-
2	Jan IV	03	Multi meter - principle- measurement of dc voltage and dc current, ac voltage and resistance	Lecture	Assignment
3	Feb I	03	Advantages over conventional multimeter, considerations in selecting voltmeter,	Demonstration	
4	Feb II	03	Basic volt meter (TVM), Differential voltmeter	Lecture, PPT	
5	Feb III	03	Solid state voltmeter AC voltmeter using rectifiers and their significances	Lecture, PPT	Assignment
6	Feb IV	03	Block diagram, working and specifications of digital multi meter	Lecture, PPT	
7	Mar I	03	Universal counter and Frequency counter- Block diagram	Lecture, PPT	Seminar
8	Mar II	03	frequency and time period measurement & accuracy and resolution	Lecture, PPT	
9	Mar III	03	Comparison of analog and digital instruments	Lecture, PPT	Assignment
10	Mar IV	03	Principle and working of digital instruments - Tacho meter	Discussion	
11	Apr I	03	P ^H meter, Capacitance meter and phase meter	Discussion,	Seminar
12	Apr II	03	Digital voltmeter- advantages, Performance parameters, Block diagram and working	Lecture	Assignment
13	Apr III	03	Block diagram explanation, specifications of low frequency signal generators	Discussion	
14	Apr IV	03	pulse generator, function generator-working	Lecture, PPT	Assignment
15	May I	03	Brief idea for testing, specifications. Distortion factor meter, wave analysis	Lecture, PPT	Seminar




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Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan : 2021-2022								
Name of the College : Government College for Men(A), Kadapa						Sem - I		Paper: I
Title of the paper : Differential equations						Curricular		Co-curricular Activity
Sno	Month	Week	Hours available	Syllabus topic	Activity Conducted	Hours allotted	Activity Conducted	Hours allotted
1	November	4 week	6	Mathematics induction programme - A basic course in Differentiation and Integration, Recap of differential equations, order and degree of differential equations, Solving first order and first degree differential equations by Variables separable, Homogeneous, Non-homogeneous methods.			Quiz in Differentiation and integration formulae	2
2	December	1 week	6	Differential Equations of first order and first degree, Exact differential equations.				
3		2 week	6	Equations Reducible to Exact form by using Integrating factors.				
4		3 week	6	Linear differential equations of first order			Student Seminar	1
5		4 week	6	Bernoulli's equation, Change of variables			Celebration of Sri Srinivasa Ramanujan Birthday	2
6	January	1 week	6	Orthogonal Trajectories(cartesian & polar coordinates)				
7		2 week	6	Pongal Holidays				
8		3 week	6	Differential equations solvable for 'p', Differential equations solvable for 'x'.			Student seminar	1
9		4 week	6	Differential equations solvable for 'y'. Clairaut's equations			Assignment	1
10	February	1 week	6	Higher order linear differential equations, General solution of $f(D)y = 0$				
11		2 week	6	General solution of $f(D)y = b e^{ax}$, $b \sin ax$ or $b \cos ax$				
12		3 week	6	Solution of non-homogeneous linear differential equations with constant coefficients				
13		4 week	6	Solution of non-homogeneous linear differential equations with constant coefficients			Assignment	1
14	March	1 week	6	Solution of non-homogeneous linear differential equations with constant coefficients	I Mid Internal	1		
15		2 week	6	Higher order linear differential equations, Method of variation of parameters				
16		3 week	6	Cauchy Euler Equations			Student Seminar	1
17		4 week	6	Legendre's linear equations	II Mid Internal	1		



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Commissionerate of Collegiate Education, A.P.,									
Proforma for Annual Curricular Plan : 2021-2022									
Name of the College: Government College for Men(A), Kadapa									
Title of the paper : Solid Geometry						Sem - II	Paper: II		
Sno	Month	Week	Hours available	Syllabus topic	Curricular Activity	Co-curricular Activity			
					Activity Conduct ed	Hours allotted	Activity Conducted	Hours allotted	
1	June	3 week	6	Equation of the plane through the given points					
2		4 week	6	Length of perpendicular to the plane from a given point, Bisectors of angles between two planes					
3		July	1 week	6	Pair of planes				
4			2 week	6	Equation of a line, angle between a line and a plane			Student Semianr	1
5			3 week	6	Coplanar lines.				
6			4 week	6	The shortest distance between two Skew lines				
7	August	1 week	6	Definition and Equation of a sphere, Sphere passing through four points,					
8		2 week	6	Plane section of a sphere, Sphere through a given circle,			Assignment	1	
9		3 week	6	Intersection of a sphere and a line, tangent plane, polar plane, pole of the polar plane.					
10		4 week	6	Angle of intersection of two spheres, Coaxial system of spheres, Limiting points	I Mid Internal	1	Student Semianr	1	
11	September	1 week	6	Cone introduction, Quadratic cones with vertex at the origin, Cone with a base curve.					
12		2 week	6	Enveloping cone of a sphere, Right circular cone.					
13		3 week	6	Vertex of a cone, Intersection of a line and a cone			Assignment	1	
14		4 week	6	Reciprocal cones and Revision.	II Mid Internal	1	Student Semianr	1	
15	October	2 week	6	Semester end examinations					
16		3 week	6	Semester end examinations					
17		4 week	6	Semester end examinations					




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Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan (Lecturer wise):2021-22								
Name of the College: Government College for Men(A), Kadapa								
Title of the paper : Abstract Algebra						SEM : III		Paper: III
Sno	Month	Week	Hours available	Syllabus topic	Curricular		Co-curricular Activity	
					Activity Conducted	Hours allotted	Activity Conducted	Hours allotted
1	December	1 week	6	Binary operation-Algebraic structures,Semigroup,Monoid,Group				
2		2 week	6	Elementary Properties,Examples,Finite &infinite groups,Composition tables	Slip Test	1		
3		3 week	6	Order of an element				
4		4 week	6	Complex , Multiplication of Complexes,Inverse of a complex,Subgroup-Def,Examples ,Criterion for Subgroups			Mathematics Day	1
1	January	1 week	6	Product of two Subgroups,Union &intersection of Subgroups	GD	1		
2		2 week	6					
3		3 week	6	Cosets ,Properties ,Langrages Theorem				
4		4 week	6	Normal Subgroups,Definition,Examples ,Criteriaons,Intersection of two normal Subgroups	I internal	1		
1	February	1 week	6	Subgroups of index 2,Quotient Groups.Homomorphism of Groups,Elementary Properties				
2		2 week	6	Isomorphism,Automorphism,kernal of a homomorphism,Fundamental theorem of homomorphism	Student Seminar	1		
3		3 week	6	Definition of Permutation,Permutation Multiplication ,Inverse of a permutation				
4		4 week	6	Cyclic Permutation,Transposition,Even and Odd Permutation, Cleys Theorem			Assignment	1
1	March	1 week	6	Def. of Cyclic group,Properties,,No. of generators of a finite Cyclic group & infinite cyclic groups	II internal	1		
2		2 week	6	Def. of Ring,Basic properties, Boolean Ring, Zero Divisors, Cancellation Laws	Student Seminar	1		
3		3 week	6	Integral Domains,Division Rings, &Fields.The Characteristic of a Ring ,Integral Domain &Field				
4		4 week	6	Sub Rings- Definition,Intersection &Union of subgroups Ideals				



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Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan :2021-22								
Name of the College: Government College for Men(A), Kadapa								
Title of the Paper : REAL ANALYSIS					SEM : IV		Paper: IV	
Sno	Month	Week	Hours available	Syllabus topic	Curricular		Co-curricular Activity	
					Activity Conduct ed	Hours allotted	Activity Conducted	Hours allotted
3	JUNE	3 week	6	Real Numbers-The algebraic and order properties of R, Absolute values ,Completeness property & intervals				
4		4 week	6	Sequences & their limits, Range and boundedness of Sequences , Limit of a sequence and convergence of a sequence .Cauchy Sequence				
1	JULY	1 week	6	Divergence sequences, Monotone Sequences , N & S condition for convergence, Limit point, Bolzano's theorem, Cauchy general principle of convergence.	slip test	1		
2		2 week	6	Convergence of Series , Cauchy general principle of convergence . Series of non negative terms , p-test				
3		3 week	6	Cauchy n th root test, Limit comparison test, Ratio test, Leibnitz test, Absolute convergence and conditional convergence	Student seminar	1		
4		4 week	6	Real valued functions, Boundedness of a function , Limits of a function , infinite limits , limits at infinity				
1	AUG	1 week	6	Continuous functions , Properties, Types of Discontinuities	I internal	1		
2		2 week	6	Continuous functions on intervals, Uniform continuity				
3		3 week	6	Derivative of a function at a point, on an interval, problems	GD	1		
4		4 week	6	Derivability & continuity , Graphical meaning of Derivative				
1	SEP	1 week	6	Mean value theorems, Rolle's theorems , Lagrange's theorem, , Cauchy theorem				
2		2 week	6	Riemann integrable functions, $U(P,f)$, $L(P,f)$, Darboux's theorem, problems	II Internal	1		
3		3 week	6	N & S condition for R-integrability , Properties of integrable functions				
4		4 week	6	Fundamental theorem of integral calculus, Integral as a limit of a sum , Mean value theorem				

Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan (Lecturer wise):2021-22								
Name of the College: Government College for Men(A), Kadapa								
Title of the paper : Ring Rtheory and Vector caluculus						SEM : V		Paper: V
Sno	Month	Week	Hours available	Syllabus topic	Curricular		Co-curricular Activity	
					Activity Conduct ed	Hours allotted	Activity Conducted	Hours allotted
4	September	4 week	5	Definition of Ring and Basic properties. Boolean Ring, Zero Divisors, Cancellation laws				
1	October	1 week	5	Integral Domains, Division Rings, Fields. The Characteristic of a ring, ID, Field				
2		2 week		Dasara vacation				
3		3 week	5	Subrings-- Definition, intersection, union of rings				
4		4 week	5	Ideals-Definition, Intersection, union, Homomorphism of Rings, Elementary properties	I internal	1		
1	November	1 week	5	Kernal of a homomorphism - Fundamental theorem				
2		2 week	5	Vector Differentiation, Ordinary Derivatives of a vector				
3		3 week	5	Gradient, Curl, Divergence, Directional derivative, Angle between surfaces				
4		4 week	5	Identities involving Grad, Curl, Divergence				
1	December	1 week	5	Vector integration-Line integral				
2		2 week	5	Surface integral & Volume integral				
3		3 week	5	Greens theorem and its applications	II internal	1		
4		4 week	5	Gauss theorem and its application			Mathematics Day	1
1	January	1 week	5	Stokes theorem and its application				



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Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan (Lecturer wise):2021-22								
Name of the College: Government College for Men(A), Kadapa								
Title of the paper: Integral Transforms-II						III MPC EM, MP	Paper: VI	
Sno	Month	Week	Hours available	Syllabus topic	Curricular		Co-curricular Activity	
					Activity Conducted	Hours allotted	Activity Conducted	Hours allotted
1	SEP	2 week	4+2	Definition of Laplace transforms, Linearity property, piecewise continuous function-problems				
2		3 week	4+2	Existence of Laplace transforms, Functions of exponential order and of class A				
3		4 week	4+2	First and second shifting theorems of Laplace transforms, change of scale property.				
4	OCT	1 week	4+2	Laplace transforms of derivatives, Initial and Final value theorems and problems				
5		2 week	4+2	Laplace transforms of integrals, multiplication by t				
6		3 week	4+2	division by t, Laplace tranforms of periodic functions			Assignmen t	1
7		4 week	4+2	some special functions and error functions				
8	NOV	1 week	4+2	Definition and linearity property of inverse laplace transforms				
9		2 week	4+2	First and second shifting properties of inverse laplace transforms				
10		3 week	4+2	Change of scale property, division by p				
11		4 week	4+2	Convolution theorem, Heaviside's expansion formula and its applications				
12		1 week	4+2	Convolution theorem, Heaviside's expansion formula and its applications			Student Semianr	1

13	DEC	2 week	4+2	Convolution theorem, Heaviside's expansion formula and its applications			Assignment	1
14		3 week	4+2	Applications of laplace transforms to ordinary differential equations with constant coefficients			Celebration of Sri Srinivasa Ramanujan Birth	
15		4 week	4+2	Applications of laplace transforms to ordinary differential equations with constant coefficients				
16	JAN	1 week	4+2	Applications of laplace transforms to ordinary differential equations with variable coefficients				
17		2 week	4+2	Revision				
Signature of the Lecturer								
Signature of the Department I/C								
Signature of the Principal								




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Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan (Lecturer wise):2021-22								
Name of the College: Government College for Men(A), Kadapa								
Title of the paper : Linear Algebra						SEM : V		Paper: VII
Sno	Month	Week	Hours available	Syllabus topic	Curricular		Co-curricular Activity	
					Activity Conducted	Hours allotted	Activity Conducted	Hours allotted
1	January	4 week	5	Vector spaces, General properties of VS, Addition and Scalar multiplication of vectors, Internal and External composition				
2	February	1 week	5	Null space, vector subspaces, Algebra of subspaces, Linear span of subspaces	Student seminar - 1	1		
3		2 week	5	Linear combination of vectors, Linear span, Linear Independence and Linear dependance of vectors				
4		3 week	5	Basis of a vector space, Finite Dimensional Vector Space				
5		4 week	5	Basis Extension Theorem, coordinates, Dimension of a vector space.				
6	March	1 week	5	Dimension of subspace, Quotient space and Dimension of quotient space.				
7		2 week	5	Linear transformations, linear operators, properties of Linear transformations, determination of linear transformation				
8		3 week	5	Sum and Product of Linear transformations, Algebra of linear operators, Range and null space of linear transformations	GD	1	Yes	
9		4 week	5	Rank, Nullity of Linear transformations, Rank-Nullity Theorem, Problems.				
10	April	1 week	5	Vector space Isomorphism- Examples, Fundamental Theorem of Homomorphism				
11		2 week	5	Singular and non-singular transformations, Inverse function, Uniqueness of Inverse	Student Seminar	1		
12		3 week	5	Definition of Matrix of Linear Transformation and properties.				
13		4 week	5	Problems on finding the matrix of a Linear Transformations.				
14	May	1 week	6	Transision Matrix and problems on Transition Matrix				
19								



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Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan :2021-22								
Name of the College: Government College for Men(A), Kadapa								
Title of the Paper : Linear Algebra						SEM : IV		Paper: V
Sno	Month	Week	Hours available	Syllabus topic	Curricular		Co-curricular Activity	
					Activity Conducted	Hours allotted	Activity Conducted	Hours allotted
1	June	1 week	6	Vector spaces, General properties, n dimensional vector space				
2		2 week	6	Vector subspaces, Algebra of subspaces, Linear sum of two subspaces.				
3	July	1 week	6	Linear combination of vectors, Linear span, Linear Independence and Linear dependance of vectors	Slip Test 1	1		
4		2 week	6	Basis of a vector space, Finite Dimensional Vector Space, Basis Extension				
1		3 week	6	Dimension of a subspace, Quotient Space and Dimension of Quotient Space.				
2		4 week	6	Linear transformations, Linear operators, Propetires of Linear Transformations.				
3	August	1 week	6	Sum and product of Linear Transformations,, Algebra of Linear operators, Range and Null space of Linear Transformations				
4		2 week	6	Rank and Nullity of Linear transformations, Rank-Nullity Theorem, Problems				
		3 week	6	Matrices, Elementary properties, Invertible Matrices, Rank of a matrix				
		4 week	6	System of Linear equations				
	September	1 week	6	Charecteristic Values and Charecteristic vectors, Cayley-Hamilton Theorem				
		2 week	6	Inner product spaces, Eucledian and Unitary spaces, Norm or length of a vector				
		3 week	6	Schwartz inequality, Triangle Inequality, Parallelogram law				
		4 week	6	Othogonal, Orthonormalset, Bessel Inequality, Gram-Schmidt Orthogonalisation of Tiles.				




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Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan (Lecturer wise):2021-22								
Name of the College: Government College for Men(A), Kadapa								
Title of the paper: Integral Transforms-II						III MPC EM, MPC	Paper: VIII	
Sno	Month	Week	Hours available	Syllabus topic	Curricular		Co-curricular Activity	
					Activity Conducted	Hours allotted	Activity Conducted	Hours allotted
1	JAN	3 week	4+2	Applications of laplace transforms to find Solution of simultaneous ordinary Differential Equations and to solve partial differential equations				
2		4 week	4+2	Applications of laplace transforms to find Solution of simultaneous ordinary Differential Equations and to solve partial differential equations				
3	FEB	1 week	4+2	Applications of laplace transforms to find Solution of simultaneous ordinary Differential Equations and to solve partial differential equations				
4		2 week	4+2	Applications of laplace transforms on integral equations				
5		3 week	4+2	Applications of Laplace transforms on integral equations. Dirichlet's conditions, Fourier integral formula .Fourier Transform and Inverse Fourier Transform.				
6		4 week	4+2	Fourier sine and cosine transforms and their problems , Inverse formula and their problems				
7		1 week	4+2	Linearity property of Fourier transforms and their problems,change of scale property and problems			Assignment	1



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8	MAR	2 week		Shifting theorem and their problems. Modulation theorem and problems				
9		3 week	4+2	Convolution theorem of Fourier transforms and problems.Parseval's identity andproblems.				
10		4 week	4+2	transform, Inversion formula for sine transform, Finite Fourier cosine Transform, Inversion formula for cosine transform			Student Semianr	1
11	APRL	1 week	4+2	Finite Fourier sine transform, Inversion formula for sine transform, Finite Fourier cosine Transform, Inversion formula for cosine transform				
12		2 week	4+2	Fourier series, Fourier series in the interval $[-\pi,\pi]$, Fourier series in the interval $[0,2\pi]$ and problems				
13		3 week	4+2	Fourier series, Fourier series in the interval $[-\pi,\pi]$, Fourier series in the interval $[0,2\pi]$ and problems				
14		4 week	4+2	Half range series, Fourier sine series in $[0,\pi]$, Fourier cosine series in $[0,\pi]$ and problems			Assignment	1
15	MAY	1 week		Fourier series in the interval $[-1,1]$,Fourier series in the interval $[0,2l]$,Half range Fourier series in the interval $[0,l]$ and problems .				
16		2 week		Revision				
17		3 week						
Signature of the Lecturer Signature of the Department I/C Signature of the Principal								



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Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan (Lecturer wise):2021-22								
Name of the College: Government College for Men(A), Kadapa								
Name of the Lecturer: Sri. V. APPALANAIDU								Paper: VIII C3
Sno	Month	Week	Hours available	Syllabus topic	Curricular Activity		Co-curricular Activity	
					Activity Conducted	Hours allotted	Activity Conducted	Hours allotted
1	JAN	4 week	4+2	Introduction to Matrices				
2	FEB	1 week	4+2	Submatrix-minors of a matrix, Rank of a matrix				
3		2 week	4+2	Elementary transformations, Reduction to normal form, general inverse of a matrix				
4		3 week	4+2	Inverse of a matrix using elementary transformations, Echelon form				
5		4 week	4+2	Consistency and homogeneous system of linear equations				
6	MAR	1 week	4+2	System of nonhomogeneous system of linear equations				
7		2 week	4+2	Characteristic roots, characteristic vectors				
8		3 week	4+2	Properties of Characteristic vectors				
9		4 week	4+2	Cayley-Hamilton theorem and inverse of a matrix by using Cayley-hamilton theorem.				
10	APR	1 week	4+2	Inner Product spaces, Euclidean and Unitary spaces				
11		2 week	4+2	Norm or length of a vector, Schwartz inequality				
12		3 week	4+2	Triangle inequality and Parallelogram law				
13		4 week	4+2	Orthogonality, Orthonormal set, problems on orthogonal set.				
14	MAY	1 week	4+2	Complete Orthonormal set, Gram-Schmidt orthogonalisation process				
15		2 week	4+2	Bessel's inequality and Parseval's identity				

Signature of the Lecturer

Signature of the Department I/C

Signature of the Principal



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Government College for Men (Autonomous), Kadapa

Zoology - Teaching Plan

Paper I: ANIMAL DIVERSITY – BIOLOGY OF NONCHORDATES

Year: 2021-22

Semester: 1

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Principles of Taxonomy – Binomial nomenclature – Rules of nomenclature Whittaker's five kingdom concept and classification of Animal Kingdom	Lecture, PPT	-
2	Dec I	04	General Characters and classification of protozoa up to classes with suitable examples, Locomotion, nutrition and reproduction in Protozoans <i>Elphidium</i> (type study)	Lecture & Demonstration	Assignment
3	Dec II	04	General characters and classification up to classes with suitable examples Skelton in Sponges Canal system in sponges	Lecture, PPT	Assignment
4	Dec III	04	General characters and classification up to classes with suitable examples. Metagenesis in <i>Obelia</i> Polymorphism in coelenterates, Corals and coral reefs	Lecture, PPT	Seminar
5	Dec IV	04	General Characters and Evolutionary significance(affinities), General characters and classification up to classes with suitable examples, Life cycle and pathogenecity of <i>Fasciola hepatica</i> , Parasitic Adaptations in helminthes	Lecture, PPT	
6	Jan I	04	General characters and classification up to classes with suitable examples. Life cycle and pathogenecity of <i>Ascarislumbricoides</i>	Lecture, Discussion	
7	Jan III	04	General characters and classification up to classes with suitable examples Evolution of Coelom and Coelomoducts.Vermiculture - Scope, significance, earthworm species, processing, Vermicompost, economic importance of vermicompost	Lecture	

8	Jan IV	04	General characters and classification up to classes with suitable examples. Vision and respiration in Arthropoda Metamorphosis in Insects	Discussion	Assignment
9	Feb I	04	<i>Peripatus</i> - Structure and affinities, Social Life in Bees and Termites	Lecture, PPT	Assignment
10	Feb II	04	General characters and classification up to classes with suitable examples. Pearl formation in Pelecypoda	Lecture	Seminar
11	Feb III	04	General characters and classification up to classes with suitable examples. Water vascular system in star fish	Lecture, Discussion	
12	Feb IV	04	Larval forms of Echinodermata	Lecture	
13	Mar I	04	General characters and classification up to classes with suitable examples	Discussion	Assignment
14	Mar II	04	<i>Balanoglossus</i> - Structure and affinities	Discussion	
15	Mar III	04	IPR and revision	Discusion	



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Teaching Plan

Paper II : ANIMAL DIVERSITY – BIOLOGY OF CHORDATES

Year: 2021-22

Semester: 2

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04	General characters and classification of Chordata up to classes, Protochordata-Salient features of Cephalochordata, Affinities of Cephalochordata	Lecture, PPT	Assignment
2	Apr III	04	Salient features of Urochordata. Structure and life history of <i>Herd Dec I mania</i> Retrogressive metamorphosis –Process and Significance	Discussion, PPT	Seminar
3	Apr IV	04	Cyclostomata, General characters, Comparison of <i>Petromyzon</i> and <i>Myxine</i> Pisces: General characters of Fishes	Lecture, PPT	-
4	May I	04	<i>Scoliodon</i> : External features, Digestive system, Respiratory system, Structure and function of Heart, Structure and functions of the Brain	Lecture	-
5	May II	04	Migration in Fishes, Types of Scales, Dipnoi	Lecture,	Assignment
6	May III	04	General characters of Amphibia, Classification of Amphibia up to orders with examples. <i>Rana hexadactyla</i> : External features, Digestive system, Respiratory system	Discussion	Assignment
7	May IV	04	Structure and function of Heart, structure and functions of the Brain Reptilia: General characters of Reptilia, Classification of Reptilia up to orders with examples	Discussion	
8	Jun I	04	<i>Calotes</i> : External features, Digestive system, Respiratory system	Lecture	
9	Jun II	04	Structure and function of Heart, structure and function of Brain	Lecture, PPT	
10	Jun	04	Identification of Poisonous snakes and Skull in reptiles	Lecture	Assignment

	III				t
11	Jun IV	04	Aves General characters of Aves <i>Columba livia</i> : External features, Digestive system, Respiratory system	Lecture, PPT	seminar
12	Jul I	04	Structure and function of Heart, structure and function of Brain, Migration in Birds, Flight adaptation in birds	Discussion, PPT	Assignment
13	Jul II	04	General characters of Mammalia Classification of Mammalia up to sub -classes with examples		-
14	Jul III	04	ComparisionofPrototherians, MetatheriansandEutheriansDentitioninmammals	Lecture, PPT	-
15	Jul IV	04	IPR and revision	Discusion	



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Teaching Plan

Paper III: CELL BIOLOGY, GENETICS, MOLECULAR BIOLOGY AND EVOLUTION

Year: 2021-22

Semester: 3

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Nov IV	04	Definition, history, prokaryotic and eukaryotic cells, virus, viroids, mycoplasma	Lecture, PPT	Seminar
2	Dec I	04	Electron microscopic structure of animal cell, plasma membrane	Demonstration	Assignment
3	Dec II	04	Structure and functions of organelles	Demonstration	Seminar
4	Dec III	04	Mendel's work, gene interactions	Lecture, PPT	
5	Dec IV	04	Polygenes, sex determination, sex linked inheritance	Lecture, PPT	Assignment
6	Jan I	04	Sex determination, sex linked inheritance	Lecture, PPT	Seminar
7	Jan III	04	Mutations, chromosomal disorders	Lecture	
8	Jan IV	04	Human genetics, basics on genomics and proteomics	Demonstration	Assignment
9	Feb I	04	General dogma of molecular biology, basic concepts of DNA replication	Lecture, PPT	
10	Feb II	04	Transcription in prokaryotes, translation	Lecture	Assignment
11	Feb III	04	Gene expression in prokaryotes	Lecture, PPT	Seminar
12	Feb IV	04	Origin of Life	Lecture	Seminar
13	Mar I	04	Theory of evolution	Demonstration	Assignment
14	Mar II	04	Neo-Darwinism, Forces of evolution	Lecture, Drill	
15	Mar III	04	IPR and revision	Discussion	




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Paper IV: ANIMAL PHYSIOLOGY, CELLULAR METABOLISM AND EMBRYOLOGY

Year: 2021-22

Semester: 4

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Apr II	04		Discussion	-
2	Apr III	04	Process of digestion and assimilation, Respiration	Lecture	Assignment
3	Apr IV	04	Circulation, excretion	Lecture, PPT	Assignment
4	May I	04	Nerve impulse transmission, muscle contraction	Lecture	
5	May II	04	Endocrine glands, hormonal control of reproduction in a mammal	Lecture, PPT	Assignment
6	May III	04	Carbohydrate, proteins classification and structure	Discussion	Seminar
7	May IV	04	Lipids, enzymes classification and mechanism of action	Discussion	Seminar
8	Jun I	04	Carbohydrate metabolism	Lecture	Assignment
9	Jun II	04	Lipid metabolism	Lecture	Assignment
10	Jun III	04	Protein metabolism	Lecture, PPT	Seminar
11	Jun IV	04	Gametogenesis	Lecture	
12	Jul I	04	Fertilization	Lecture, PPT	Assignment
13	Jul II	04	Types of eggs	Lecture	
14	Jul III	04	Types of cleavages	Lecture, PPT	Assignment
15	Jul IV	04	IPR and revision	Discussion	




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Paper V: IMMUNOLOGY & ANIMAL BIOTECHNOLOGY

Year: 2021-22

Semester: 5

No. of hour per week: 4

Total hours/Credits: 60/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Sep I	04	Introduction to basic concepts in Immunology , Innate and adaptive immunity, Vaccines and Immunization programme	Lecture	-
2	Sep II	04	Cells of immune system ,Organs of immune system	Lecture	Seminar
3	Sep III	04	Antigens: Basic properties of antigens, B and T cell epitopes, haptens and adjuvants; Factors influencing immunogenicity Antibodies: Structure of antibody, Classes and functions of antibodies	Demonstration	Assignment
4	Sep IV	04	Structure and functions of major histocompatibility complexes Exogenous and Endogenous pathways of antigen presentation and processing	Lecture, PPT	
5	Oct II	04	Hypersensitivity – Classification and Types	Lecture, PPT	Assignment
6	Oct III	04	Animal Cell, Tissue and Organ culture media: Natural and Synthetic media	Lecture, PPT	Seminar
7	Oct IV	04	Cell cultures: Establishment of cell culture (primary culture, secondary culture, types of cell lines; Protocols for Primary Cell Culture); Established Cell lines (common examples such as MRC, HeLa, CHO, BHK, Vero); Organ culture; Cryopreservation of cultures	Lecture, PPT	Assignment
8	Nov I	04	Stem cells: Types of stem cells and applications , Hybridoma Technology: Production & applications of Monoclonal antibodies	Lecture, PPT	
9	Nov II	04	Genetic Engineering:Basic concept, Vectors, Restriction Endonucleases and Recombinant DNA technology	Lecture, PPT	Assignment
10	Nov III	04	Gene delivery:Microinjection, electroporation, biolistic method (gene gun), liposome and viral- mediated gene delivery	Discussion	
11	Nov IV	04	Transgenic Animals:Strategies of Gene transfer; Transgenic - sheep, - fish; applications	Discussion, Drill	Seminar

12	Dec I	04	Manipulation of reproduction in animals: Artificial Insemination, <i>In vitro</i> fertilization, super ovulation, Embryo transfer, Embryo cloning	Lecture	Assignment
13	Dec II	04	PCR: Basics of PCR.DNA Sequencing: Sanger's method of DNA sequencing-traditional and automated sequencing	Discussion	Seminar
14	Dec III	04	Hybridization techniques: Southern, Northern and Western blotting DNA fingerprinting: Procedure and applications	Lecture, PPT	Assignment
15	Dec IV	04	Applications in Industry and Agriculture: Fermentation: Different types of Fermentation and Downstream processing; Agriculture: Monoculture in fishes, polyploidy in fishes.	Lecture, PPT	



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Teaching Plan

Paper VI: Animal husbandry

Year: 2021-22

Semester: 5

No. of hour per week: 3

Total hours/Credits: 45/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Sep I	03	General introduction to poultry farming. Principles of poultry housing. Poultry houses. Systems of poultry farming. Management of chicks, growers and layers. Management of Broilers.	Lecture	-
2	Sep II	03	Poultry feed management – Principles of feeding. Nutrient requirements for different stages of layers and broilers.	Lecture	Seminar
3	Sep III	03	Methods of feeding. Poultry diseases – viral, bacterial, fungal and parasitic (two each); symptoms, control and management.	Demonstration	Assignment
4	Sep IV	03	Selection, care and handling of hatching eggs. Egg testing	Lecture, PPT	
5	Oct II	03	Methods of hatching. Brooding and rearing. Sexing of chicks.	Lecture, PPT	Assignment
6	Oct III	03	Methods of hatching. Brooding and rearing. Sexing of chicks.	Lecture, PPT	Seminar
7	Oct IV	03	Breeds of Dairy Cattle and Buffaloes – Definition of breed; Classification of Indian Cattle breeds,	Lecture, PPT	Assignment
8	Nov I	03	exotic breeds and Indian buffalo breeds. Systems of inbreeding and crossbreeding.	Lecture, PPT	
9	Nov II	03	Housing of dairy animals – Selection of site for dairy farm; systems of housing – loose, housing system.	Lecture, PPT	Assignment
10	Nov III	03	Conventional dairy barn, Cleaning and sanitation of dairy farm	Discussion	
11	Nov IV	03	Weaning of calf. Castration and dehorning	Discussion, Drill	Seminar

12	Dec I	03	Deworming and Vaccination programme.	Lecture	Assignment
13	Dec II	03	Care and management of dairy animals - Care and management of calf, heifer	Discussion	Seminar
14	Dec III	03	Care and management of dairy animals- milk animal, dry and pregnant animal, bulls and bullocks.	Lecture, PPT	Assignment
15	Dec IV	03	Revision	Lecture, PPT	



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Teaching Plan

Paper 6A : SUSTAINABLE AQUACULTURE MANAGEMENT

Year: 2021-22

Semester: 6

No. of hour per week: 3

Total hours/Credits: 45/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Jan III	03	Present status of Aquaculture – Global and National scenario Major cultivable species for aquaculture: freshwater, brackish water and marine.	Lecture	-
2	Jan IV	03	Traditional, extensive, modified extensive, semi-intensive and intensive cultures of fish and shrimp. Design and construction of fish and shrimp farms	Lecture	Assignment
3	Feb I	03	Functional classification of ponds – head pond, hatchery, nursery ponds	Demonstration	
4	Feb II	03	Functional classification of ponds -rearing, production, stocking and quarantine ponds	Lecture, PPT	
5	Feb III	03	Need of fertilizer and manure application in culture ponds	Lecture, PPT	Assignment
6	Feb IV	03	Physio-chemical conditions of soil and water optimum for culture (Temperature, depth, turbidity, light, water, PH, BOD, CO ₂ and nutrients)	Lecture, PPT	
7	Mar I	03	Induced breeding in fishes ,Culture of Indian major carps: Pre-stocking management (Dewatering, drying, ploughing/desilting; Predators, weeds and algal blooms and their control, Liming and fertilization)	Lecture, PPT	Seminar
8	Mar II	03	Culture of Indian major carps - Stocking management Culture of Indian major carps - post-stocking management	Lecture, PPT	
9	Mar III	03	Commercial importance of shrimp & prawn	Lecture, PPT	Assignment
10	Mar IV	03	<i>Macrobrachium rosenbergii</i> - biology, seed production	Discussion	
11	Apr I	03	Culture of <i>L. vannamei</i> – hatchery technology and culture practices	Discussion,	Seminar
12	Apr II	03	Mixed culture of fish and prawns	Lecture	Assignment
13	Apr	03	Viral diseases of Fin Fish & shell fish	Discussion	

	III		Fungal diseases of Fin & Shell fish		
14	Apr IV	03	Bacterial diseases of Finfish & Shell fish	Lecture, PPT	Assignment
15	May I	03	Prophylaxis in aquaculture	Lecture, PPT	Seminar



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Teaching Plan

Paper VII A : POSTHARVEST TECHNOLOGY OF FISH AND FISHERIES

Year: 2021-22

Semester: 6

No. of hour per week: 3

Total hours/Credits: 45/3

S.No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Jan III	03	Handling of fresh fish, storage and transport of fresh fish, post mortem changes (rigor mortis and spoilage), spoilage in marine fish and freshwater fish.	Lecture	-
2	Jan IV	03	Principles of preservation – cleaning, lowering of temperature, rising of temperature, denudation, use of salt, use of fish preservatives, exposure to low radiation of gamma rays	Lecture	Assignment
3	Feb I	03	Traditional methods - sun drying, salt curing, pickling and smoking.	Demonstration	
4	Feb II	03	Advanced methods – chilling or icing, refrigerated sea water, freezing, canning, irradiation and Accelerated Freeze drying (AFD).	Lecture, PPT	Seminar
5	Feb III	03	Fish products – fish minced meat, fish meal, fish oil, fish liquid (ensilage), fish protein concentrate, fish chowder, fish cake	Lecture, PPT	Assignment
6	Feb IV	03	Fish sauce, fish salads, fish powder, pet food from trash fish, fish manure	Lecture, PPT	
7	Mar I	03	Fish by-products – fish glue, Using glass, chitosan, pearl essence, shark fins, fish Leather and fish maws.	Lecture, PPT	Seminar
8	Mar II	03	Sanitation in processing plants - Environmental hygiene and Personal hygiene in processing plants.	Lecture, PPT	
9	Mar III	03	Quality Control of fish and fishery products – pre-processing control, control during processing and control after processing.	Lecture, PPT	Assignment
10	Mar IV	03	Seafood Quality Assurance and Systems: Good Manufacturing Practices (GMPs)	Discussion	
11	Apr I	03	Good Laboratory Practices (GLPs)	Discussion, Drill	Seminar
12	Apr II	03	Standard Operating Procedures (SOPs)	Lecture	
13	Apr III	03	Concept of Hazard Analysis and Critical Control Points (HACCP) in seafood safety.	Discussion	

14	Apr IV	03	National and International standards – ISO 9000: 2000 Series of Quality Assurance System, <i>Codex Alimentarius</i> .	Lecture, PPT	Assignment
15	May I	03	Revision	Lecture, PPT	



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GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: V

NAME OF THE MODULE: Advanced Accounting - I

NO. HOURS/WEEK: 5

GROUP: III B.COM (Gen & CA)

PAPER: DSC-502

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	SEP	3	5	Introduction of Self Balancing System-Meaning	Teaching		
		4	5	Advantage of Self Balancing System-Preparation of Sales Ledger adjustment A/c	Teaching		
2	OCT	1	5	Purchase ledger adjustment A/c	Teaching		
		2	5	General Ledger Adjustment A/c Problems	Teaching		
		3	5	Introduction Royalty, Preparation of Minimum Rent A/C	Teaching	Slip test	
		4	5	Royalties A/c, Short Working Accounts	Teaching		
3	NOV	1	5	Land Lord Account Problems	Teaching		
		2	5	Introduction Insolvency Accounting –Insolvency of an Individual	Teaching		
		3	5	Preparation of Statement of Affairs	Teaching		
		4	5	Deficiency Account Problems	Teaching	Quiz	
4	DEC	1	5	Introduction of Partnership Accounts-I-Nature ,need Types of Capital Accounts	Teaching		
		2	5	Calculation of Goodwill, Revaluation of Assets	Teaching		
		3	5	Revaluation of Liabilities Problems	Teaching		
		4	5	Admission of Partner problems	Teaching	Seminar	
5	JAN	1	5	Introduction of Partnership Accounts-II	Teaching		
		2	5	Retirement ,Death Partner Problems	Teaching		
		3	5	Dissolution of a Partnership Firm Problems	Teaching		
		4	5	Garner V/s Murray Case Problems	Teaching		



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GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

GROUP: III B.COM (Gen & CA)

SEMESTER: V

PAPER: DSC-503

NAME OF THE MODULE: Commercial Geography

NO. HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	SEP	3	5	Introduction the Earth	Teaching		
		4	5	Internal Structure of the Earth-Latitude-Longitude -Realms of the Earth	Teaching		
2	OCT	1	5	Evolution of the Earth- Environmental Pollution- Global warming	Teaching		
		2	5	Measures to be taken to Protect the Earth	Teaching		
		3	5	Introduction India Agriculture-Land Use ,Soils	Teaching	Slip test	
		4	5	Major Crops –Food & Non-Food Crops	Teaching		
3	NOV	1	5	Importance of Agriculture –Problems in Agriculture- Agriculture Development	Teaching		
		2	5	Introduction India –Forestry-Forests-Status of Forest in AP	Teaching		
		3	5	Forest Conservation Act1980,Compensatory Afforestation Fund (CAF) Bill,2015	Teaching		
		4	5	Forest Rights Act,2006& its Relevance-Need for Protection of Forestry	Teaching	Quiz	
4	DEC	1	5	Introduction India –Minerals –Mining: Minerals Renewable & Non-Renewable	Teaching		
		2	5	Use of Minerals-Mines-Coal Barites e.t.c.,	Teaching		
		3	5	Singareni Coal Mines & Mangampeta Barites	Teaching		
		4	5	District-Wise Profile	Teaching	Seminar	
5	JAN	1	5	Introduction Water Resources Rivers: Rationality & Equitable Use of Water	Teaching		
		2	5	Protection Measures –Rivers	Teaching		
		3	5	Perennial & Peninsular Rivers	Teaching		
		4	5	Interlinking of Rivers – Experience of India & AP	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: V

NAME OF THE MODULE: GST-I

NO. HOURS/WEEK: 5

GROUP: III B.COM (Gen & CA)

PAPER: DSC-504

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	SEP	3	5	Overviews of GST	Teaching		
		4	5	Concepts, Limitations of VAT, Need for Tax Reforms.. Objectives, Advantages and Disadvantages of VAT	Teaching		
2	OCT	1	5	Features of GST, Various Concepts of GST Advantages and Disadvantages of GST	Teaching		
		2	5	Principles, models of GST: Australian, Canadian, Kelkar-shah	Teaching		
		3	5	Comprehensive structure of GST Model in India, Dual GST	Teaching	Slip test	
		4	5	Transaction covered Under GST	Teaching		
3	NOV	1	5	Taxes and Duties, Subsumed under GST	Teaching		
		2	5	Taxes and Duties Outside the purview of GST	Teaching		
		3	5	Tax on ALCOHOL, PETROLEUM, TOBACCO Products	Teaching		
		4	5	Taxation of Services	Teaching	Quiz	
4	DEC	1	5	Inter-State Goods and Services Tax	Teaching		
		2	5	Major Advantages of IGST Model, Interstate Goods and Service Tax	Teaching		
		3	5	Transaction within a State under GST	Teaching		
		4	5	Interstate Transaction Under GST- Illustrations	Teaching	Seminar	
5	JAN	1	5	Time of Supply of Goods and Services, Value of supply, input Tax Credit	Teaching		
		2	5	Distribution of Credit, Matching of Input Tax Credit	Teaching		
		3	5	Availability of credit in special circumstances	Teaching		
		4	5	Cross utilization of ITC Between the Central and the State GST.	Teaching		




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CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: V

NAME OF THE MODULE: Rural and Farm Credit

GROUP: III B.COM Gen (EM&TM)

PAPER: DSC-506

NO. HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	SEP	3	5	Introduction of Rural Credit-Objectives, Significance	Teaching		
		4	5	Classification of rural credit-General Credit Card(GCC)	Teaching		
2	OCT	1	5	Financial Inclusion-Rupay Card	Teaching		
		2	5	Introduction Rural Credit Agencies	Teaching		
		3	5	Institutional & Non institutional Agencies for financing agriculture	Teaching	Slip test	
		4	5	Self Help Groups(SHG)	Teaching		
3	NOV	1	5	Financial for Rural Industries	Teaching		
		2	5	Introduction of Farm Credit-Scope	Teaching		
		3	5	Importance of Farm of Farm Credit- Principles of Farm Credit	Teaching		
		4	5	Cost of Credit-Types-Problems & Remedial Measures-Kisan Credit card Scheme	Teaching	Quiz	
4	DEC	1	5	Introduction sources of Farm Credit-Cooperative Credit	Teaching		
		2	5	PACS-APCOB-NABARD-Lead Bank Scheme	Teaching		
		3	5	Role of Commercial & Regional Rural Banks	Teaching		
		4	5	Problems of recovery & over dues	Teaching	Seminar	
5	JAN	1	5	Introduction of Farm & Credit Analysis-Eligibility Conditions-Analysis of 3 R's	Teaching		
		2	5	Analysis of 3 C's of Credit	Teaching		
		3	5	Crop index reflecting use & farm Credit	Teaching		
		4	5	Rural Credit Survey Reports	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: V

NAME OF THE MODULE: Central Banking

NO. HOURS/WEEK: 5

GROUP: III B.COM Gen (TM&EM)

PAPER: DSC-505

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	SEP	3	5	Introduction of Central Banking Evolution & Functions of Central Bank	Teaching		
		4	5	Development of Central Bank in Developed & Developing Countries	Teaching		
2	OCT	1	5	Trends in Central Bank Functions	Teaching		
		2	5	Introduction Central banking in India	Teaching		
		3	5	RBI- Constitution & Governance	Teaching	Slip test	
		4	5	Recent Developments RBI Act -	Teaching		
3	NOV	1	5	Interface Between RBI & Banks	Teaching		
		2	5	Introduction Monetary & Credit Policies	Teaching		
		3	5	Monetary Policy Statements of RBI	Teaching		
		4	5	CRR-SLR-Repo Rates- Reverse Repo Rates	Teaching	Quiz	
4	DEC	1	5	Currency in Circulation	Teaching		
		2	5	Credit Control Measures	Teaching		
		3	5	Intervention Mechanisms-Exchange rate Stability	Teaching		
		4	5	Rupee Value-Controlling Measures	Teaching	Seminar	
5	JAN	1	5	Supervision & Regulation: Supervision of Banks	Teaching		
		2	5	Basle Norms-Prudential norms	Teaching		
		3	5	Effect of Liberalizations & Globalization	Teaching		
		4	5	Checking of Money Laundering & Frauds	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: III

NAME OF THE MODULE: ADVANCED ACCOUNTING

NO. HOURS/WEEK: 5

GROUP: III B.COM CA, Gen (TM&EM) ,BIFS

PAPER: **COM21301**

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	DEC	1	4	Accounting for Non Profit Organisations: Non Profit Entities- Meaning -	Teaching		
		2	5	Features of Non-Profit Entities –Provisions as per Sec 8 –	Teaching		
		3	6	Accounting Process- Preparation of Accounting Records -	Teaching		
		4	5	Receipts and Payments Account- Income and Expenditure Account -	Teaching		
		5	5	Preparation of Balance Sheet (including problems).	Teaching		
2	JAN	1	5	Single Entry System: Features – Differences between Single Entry and Double Entry –	Teaching		
		2	5	Disadvantages of Single Entry- Ascertainment of Profit and Preparation of Statement of Affairs (including Problems).	Teaching		
		3	5	Ascertainment of Profit and Preparation of Statement of Affairs (including Problems).	Teaching	Slip test	
		4	5	Ascertainment of Profit and Preparation of Statement of	Teaching		
3	FEB	1	5	Hire Purchase System: Features –Difference between Hire Purchase and	Teaching		
		2	5	Instalment Purchase Systems -	Teaching		
		3	5	Accounting Treatment in the Books of Hire Purchaser and Hire Vendor - Default and Repossession (including Problems).	Teaching		
		4	5	Accounting Treatment in the Books of Hire Purchaser and Hire Vendor - Default and Repossession (including Problems).	Teaching	Quiz	
4	MAR	1	5	Partnership Accounts-I: Meaning – Partnership Deed -	Teaching		
		2	5	Fixed and Fluctuating Capitals-	Teaching		
		3	5	Accounting Treatment of Goodwill -	Teaching		
		4	5	Admission and Retirement of a Partner(including problems).	Teaching	Seminar	
5	APR	1	5	Partnership Accounts-II: Dissolution of a Partnership Firm –	Teaching		
		2	5	Application of Garner v/s Murray Rule in India –).	Teaching		
		3	5	Insolvency of one or more Partners (including problems	Teaching		
		4	5	Insolvency of one or more Partners (including problems	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT
 GROUP: II BCOM (G, CA &BIFS)
 PAPER: **COM21302**

YEAR: 2021-2022

SEMESTER: III

NAME OF THE MODULE: BUSINESS STATISTICS

NO. HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	DEC	1	4	Unit 1: Introduction to Statistics Definition – Importance, Characteristics and Limitations of Statistics	Teaching		
		2	5	Classification and Tabulation	Teaching		
		3	6	Frequency Distribution Table	Teaching		
		4	5	Diagrams and Graphic Presentation of Data (including problems)	Teaching		
		5	5	Diagrams and Graphic Presentation of Data (including problems)	Teaching		
2	JAN	1	5	Unit 2: Measures of Central Tendency: Types of Averages –	Teaching		
		2	5	Qualities of Good Average -Mean,	Teaching		
		3	5	Median, Mode,	Teaching	Slip test	
		4	5	and Median based Averages-Geometric Mean – Harmonic Mean(including problems)	Teaching		
3	FEB	1	5	Unit 3: Measures of Dispersion: Meaning and Properties of Dispersion	Teaching		
		2	5	Absolute and Relative Measures - Types of Dispersion-Range -	Teaching		
		3	5	Quartile Deviation (Semi – Inter Quartile Range) -Mean Deviation -	Teaching		
		4	5	Standard Deviation - Coefficient of Variation. (including problems)	Teaching	Quiz	
4	MAR	1	5	Unit 4: Skewness and Kurtosis: Measures of Skewness: Absolute and Relative	Teaching		
		2	5	Co-efficient of Skewness: Karl Pearson's,	Teaching		
		3	5	Bowley's and Kelly's -	Teaching		
		4	5	Kurtosis: Meso kurtosis, Platy kurtosis and Leptokurtosis (including problems)	Teaching	Seminar	
5	APR	1	5	Unit 5: Measures of Relation: Meaning and use of Correlation – Types of Correlation -	Teaching		
		2	5	Karlpearson's Correlation	Teaching		
		3	5	Coefficient - Probable Error-	Teaching		

		4	5	Spearman's Rank-Correlation (including problems)	Teaching		
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GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

GROUP: II BIFS(EM)

SEMESTER: III

PAPER: **COM218**

NAME OF THE MODULE: INSURANCE & RISK MANAGEMENT

NO. HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4 CREDITS

S. No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	DEC	1	4	UNIT-I: Introduction and Scope of Insurance: Historical perspective, Conceptual Framework,	Teaching		
		2	5	Meaning, Nature, Advantages and Scope of Insurance,	Teaching		
		3	6	Classification of Insurance Business viz.,	Teaching		
		4	5	Life Insurance and General Insurance.	Teaching		
		5	5	Fundamental principles of insurance- Indian Insurance Sector-	Teaching		
2	JAN	1	5	UNIT-II: Insurance Policies: Kinds of Life Insurance Policies-ULIPs-	Teaching		
		2	5	Types of General Insurance – Policies of General Insurance-	Teaching		
		3	5	General Insurance Act-Motor, Fire Marine and	Teaching	Slip test	
		4	5	Agricultural Insurance and other insurances -	Teaching		
3	FEB	1	5	Operation of Insurance Companies in India	Teaching		
		2	5	UNIT-III: Risk and Insurance Concept of Risk- Types of Risks-	Teaching		
		3	5	Risk Management objectives and Importance-Tools of Risk Mgt	Teaching		
		4	5	Role of Actuaries- Product framing, Underwriting guidelines,	Teaching	Quiz	
4	MAR	1	5	Re-insurance, Preparation of Insurance Documents, Policy Conditions	Teaching		
		2	5	UNIT-IV: Financial Aspects of Insurance Management Role of Financial Institutions, Insurance Companies,	Teaching		
		3	5	Financial Market, Structure and functions, Important Life Insurance Products and General Insurance Products,	Teaching		
		4	5	Determination of Premiums and Bonuses, Distribution Channels of Insurance - Reforms in Indian Insurance Industry	Teaching	Seminar	
5	APR	1	5	UNIT-V: Insurance Laws and Regulations Insurance Act 1938, Life Insurance Corporation Act 1956,	Teaching		

		2	5	IRDA Act 1999 and IRDA (Insurance	Teaching		
		3	5	REVISION	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: III

NAME OF THE MODULE: MARKETING

NO. HOURS/WEEK: 5

GROUP: II B.COM Gen (TM&EM)

PAPER: **COM21303**

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	DEC	1	4	Unit-I: Introduction: Concepts of Marketing: Need, Wants and Demand -	Teaching		
		2	5	Marketing Concepts –	Teaching		
		3	6	Marketing Mix - 4 P's of Marketing –	Teaching		
		4	5	Marketing Environment.	Teaching		
		5	5	Marketing Environment.	Teaching		
2	JAN	1	5	Unit-II: Consumer Behaviour and Market Segmentation: Buying Decision Process –	Teaching		
		2	5	Stages – Buying Behaviour –	Teaching		
		3	5	Market Segmentation –Bases of Segmentation -	Teaching	Slip test	
		4	5	Selecting Segments – Advantages of Segmentation.	Teaching		
3	FEB	1	5	Unit-III: Product Management: Product Classification –	Teaching		
		2	5	Levels of Product - Product Life Cycle -	Teaching		
		3	5	New Products, Product Mix and	Teaching		
		4	5	Product Line Decisions - Design, Branding, Packaging and Labelling.	Teaching	Quiz	
4	MAR	1	5	Unit-IV: Pricing Decision: Factors Influencing Price –	Teaching		
		2	5	Determination of Price - Pricing Strategies: Skimming and Penetration Pricing.	Teaching		
		3	5	Determination of Price - Pricing Strategies:	Teaching		
		4	5	Skimming and Penetration Pricing.	Teaching	Seminar	
5	APR	1	5	Unit-V: Promotion and Distribution: Promotion Mix -	Teaching		
		2	5	Advertising - Sales promotion -	Teaching		
		3	5	Publicity – Public Relations - Personal Selling and Direct Marketing -	Teaching		
		4	5	Distribution Channels – Online Marketing	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: III

NAME OF THE MODULE: RETAILING

NO. HOURS/WEEK: 2

GROUP: II B.COM Gen (TM)

PAPER: COMSDC21301

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	DEC	1	4	Unit I: Introduction -Retailing - Definition–	Teaching		
		2	5	Role of Retailing- Types of Retailing –	Teaching		
		3	6	Factors influencing the Growth of Retailing in India.	Teaching		
		4	5	Factors influencing the Growth of Retailing in India.	Teaching		
		5	5	Factors influencing the Growth of Retailing in India.	Teaching		
2	JAN	1	5	Unit II: Store location – factors influencing	Teaching		
		2	5	selection of location - Types of retail outlets -	Teaching		
		3	5	stores design & operations- Merchandise planning - Administrative mechanism	Teaching	Slip test	
		4	5	stores design & operations- Merchandise planning -	Teaching		
3	FEB	1	5	Administrative mechanism	Teaching		
		2	5	Unit III: Human resources in retailing - Job profile-	Teaching		
		3	5	Services to customers – Customer care -	Teaching		
		4	5	Communications with customers -	Teaching	Quiz	
4	MAR	1	5	Visual merchandising –	Teaching		
		2	5	enhancing customer loyalty and Sales promotion.	Teaching		
		3	5	customer loyalty and Sales promotion.	Teaching		
		4	5	customer loyalty and Sales promotion.	Teaching	Seminar	
5	APR	1	5	REVISION	Teaching		
		2	5	REVISION	Teaching		
		3	5	REVISION	Teaching		

		4	5	REVISION	Teaching		
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GOVT. COLLEGE FOR MEN (A) :: KADAPA
CURRICULAR FORMAT

YEAR : 2021-2022

SEMESTER: VI

NAME OF THE MODULE: GST & Customs Act-II

NO.HOURS/WEEK: 05

GROUP: III B.Com (Gen & CA)

PAPER: DSC-601

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.NO	MONT H	WEE K	NO. OF HOURS	TOPIC	CURRICULA R ACTIVITY	CO- CURRICULAR ACTIVITY	REAMRKS
		3	5	Registration and Filing, Registration of Assesses Under GST Persons liable for registration, Compulsory registration in certain cases	Teaching		
		4	5	Procedure for registration Deemed registration, GST Rate Structure.	Teaching		
2	JAN	1	5	Administration, Officers under GST Act: Appointment and Powers of officers	Teaching	Quiz	
		2	5	Administration of officers of State tax or Union-territory tax	Teaching		
		3	5	Accounts and Records	Teaching		
		4	5	Retention of Records, Audit by Tax Authorities	Teaching		
3	FEB	1	5	Assessment- Self-assessment, Provisional assessment	Teaching	Seminar	
		2	5	Security of Returns, Assessment of Non-filers of returns	Teaching		
		3	5	Assessment of Unregistered persons	Teaching		
		4	5	Audit and Assessment , Other features of Dual GST model	Teaching		
4	MAR	1	5	Levy and Exemption of Tax, Chargeability, Collection at Source	Teaching		
		2	5	E-Commerce, Composition Levy, Tax under Central GST and State GST	Teaching		
		3	5	Zero-rating of Exports, GST on Imports, Returns under GST.	Teaching		
		4	5	Taxation of Services, Remission of Tax, Adjustment and Refund of GST	Teaching	Slip test	
5	APR	1	5	Customs Act, Types of Custom Duties	Teaching		
		2	5	Valuation for Customs Duty, Tariff Value	Teaching		

		3	5	Methods of Valuation for Customs	Teaching		
		4	5	Problems on Custom Duty Assessment	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR : 2021-2022

GROUP: III B.Com (Gen & CA)

SEMESTER: VI

PAPER: DSC-602

NAME OF THE MODULE: Auditing

NO.HOURS/WEEK: 05

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
1	DEC	1	5	Introduction of Auditing-meaning & objectives	Teaching		
		2	5	Importance of Auditing	Teaching		
		3	5	Auditing as a vigil Mechanism	Teaching		
		4	5	Role of Auditor in checking corporate frauds	Teaching		
2	JAN	1	5	Introduction types of Audit	Teaching	Quiz	
		2	5	Based on Ownership and time	Teaching		
		3	5	Independent, Financial, Internal, Cost, Tax , Government, Secretarial Audit	Teaching		
		4	5	Introduction of Planning of Audit	Teaching		
3	FEB	1	5	Steps to be taken at the commencement of a new audit	Teaching	Seminar	
		2	5	Audit Programme – Audit Note Book	Teaching		
		3	5	Internal Check – Internal audit	Teaching		
		4	5	Internal Control	Teaching		
4	MAR	1	5	Introduction Vouching & Investigation	Teaching		
		2	5	Vouching of cash and trading transactions	Teaching		
		3	5	Investigating, Auditing vs Investigation	Teaching		
		4	5	Introduction of Company Audit and Auditors Report	Teaching	Slip test	
5	APR	1	5	Auditors Qualification-Appointment & Reappointment	Teaching		
		2	5	Rights, Duties, Liabilities & Disqualifications	Teaching		

		3	5	Audit Report: Contents- Preparation	Teaching		
		4	5	Relevant Provisions of Companies Act,2013	Teaching		

GOVT. COLLEGE FOR MEN (A) :: KADAPA
CURRICULAR FORMAT

YEAR : 2021-2022

SEMESTER: VI

NAME OF THE MODULE: Management Accounting

NO.HOURS/WEEK: 05

GROUP: III B.Com (Gen & CA)

PAPER: DSC-603

TOTAL HOURS/CREDITS: 90/4 CREDITS

S. NO	MON TH	WE EK	NO. OF HOU RS	TOPIC	CURRIC ULAR ACTIVTY	CO-CURRICULAR ACTIVITY	REAM RKS
1	DEC	1	5	Introduction of management Accounting	Teaching		
		2	5	Interface with Financial Accounting and Cost Accounting	Teaching		
		3	5	Financial Statement analysis and interpretation: comparative analysis	Teaching		
		4	5	Common size analysis and trend analysis (including problems)	Teaching		
2	JAN	1	5	Introduction ratio analysis	Teaching	Quiz	
		2	5	Classification, Importance and limitation.	Teaching		
		3	5	Analysis and interpretation of Accounting ratio	Teaching		
		4	5	Liquidity, profitability, activity and solvency ratio (including problems)	Teaching		
3	FEB	1	5	Introduction Fund flow Statement	Teaching	Seminar	
		2	5	Concept of cash flow- Preparation of funds flow statement	Teaching		
		3	5	Uses and limitations of funds flow analysis	Teaching		
		4	5	Fund & cash flow statement (including problems)	Teaching		
4	MAR	1	5	Introduction Cash Flow statement	Teaching		
		2	5	Concept of cash flow	Teaching		
		3	5	Preparation of cash statement	Teaching		
		4	5	Use and limitation of cash flow analysis	Teaching	Slip test	
		1	5	Use and limitation of cash flow analysis (including problems)	Teaching		

5	APR	2	5	Introduction of Standard cost	Teaching		
		3	5	Material Variance	Teaching		
		4	5	Material variance (including problems)	Teaching		

**GOVT. COLLEGE FOR MEN (A) :: KADAPA
CURRICULAR FORMAT**

YEAR : 2021-2022

SEMESTER: VI

NAME OF THE MODULE: Advanced Accounting-II

NO.HOURS/WEEK: 05

GROUP: III B.Com (Gen & CA)

PAPER: DSC-604

TOTAL HOURS/CREDITS: 90/4 CREDITS

S. NO	MON TH	WE EK	NO. OF HOU RS	TOPIC	CURRICU LAR ACTIVTY	CO-CURRICULAR ACTIVITY	REAM RKS
1	DEC	1	5	Introduction of hire purchase system, calculation of interest-	Teaching		
		2	5	Accounting procedure for preparation of hire purchase accounts	Teaching		
		3	5	Introduction of Installment purchase system	Teaching		
		4	5	Introduction of branch Accounting	Teaching		
2	JAN	1	5	Debtors System, stock and debtors system	Teaching	Quiz	
		2	5	Invoice price method (excluding independent and foreign branch)	Teaching		
		3	5	Invoice price method (excluding independent and foreign branch)	Teaching		
		4	5	Debtors System, stock and debtors system	Teaching		
3	FEB	1	5	Introduction of internal Reconstruction	Teaching	Seminar	
		2	5	Reasons and factors for reconstruction procedure for capital reduction	Teaching		
		3	5	Reasons and factors for reconstruction procedure for capital reduction	Teaching		
		4	5	account Preparation of post reconstruction balance sheet and capital	Teaching		
4	MAR	1	5	account Preparation of post reconstruction balance sheet and capital	Teaching		
		2	5	account Preparation of post reconstruction balance sheet and capital	Teaching		
		3	5	Introduction of Liquidation	Teaching		
		4	5	Liquidation expenses- Liquidator's remuneration	Teaching	Slip test	

5	APR	1	5	Preparation of Liquidator's final statement of account	Teaching		
		2	5	Preparation of Liquidator's final statement of account	Teaching		
		3	5	Introduction of profits prior to incorporation of company	Teaching		
		4	5	Accounting treatment	Teaching		

**GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT**

YEAR : 2021-2022

SEMESTER: VI

NAME OF THE MODULE: Financial Services

NO.HOURS/WEEK: 05

GROUP: III B.Com Gen (T/M & E/M)

PAPER: DSC-605

TOTAL HOURS/CREDITS: 90/4 CREDITS

S. No	Month	Week	No. Of Hour	Topic	Curricular Activity	Co-Curricular Activity	Reamrks
1	DEC	1	5	Introduction of financial services	Teaching		
		2	5	Banking and non Banking companies	Teaching		
		3	5	Activities of Banking finance companies	Teaching		
		4	5	Fund Based Activities, fee Based Activities	Teaching		
2	JAN	1	5	Introduction of merchant Banking services	Teaching	Quiz	
		2	5	Scope and importance of merchant banking services	Teaching		
		3	5	Venture capital, securitization	Teaching		
		4	5	Demit services ,commercial paper	Teaching		
3	FEB	1	5	Introduction of Leasing and Hire purchase	Teaching	Seminar	
		2	5	Types of Lease, Documentation and Legal aspects	Teaching		
		3	5	Fixation of Rentals and Evaluation	Teaching		
		4	5	Hire purchasing, securitization of debts, house finance	Teaching		
4	MAR	1	5	Introduction of credit Rating	Teaching		
		2	5	Types, credit rating symbols	Teaching		
		3	5	Agencies :CRISIL and CARE, Enquiry Assessment vs. Grading, mutual	Teaching		

		4	5	Introduction of other financial services	Teaching	Slip test	
5	APR	1	5	Factoring and forfeiting	Teaching		
		2	5	Procedural and financial aspects	Teaching		
		3	5	Installment system, credit cards	Teaching		
		4	5	Central depository systems: NSDL,CSDL	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR : 2021-2022

GROUP: III B.Com Gen (T/M & E/M)

SEMESTER: VI

PAPER: DSC-606

NAME OF THE MODULE: Marketing Financial Services

NO.HOURS/WEEK: 05

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.N O	MON TH	WE EK	NO. OF HOU RS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY	REAM RKS
1	DEC	1	5	Introduction Goods & Services	Teaching		
		2	5	Difference Between Goods & Services	Teaching		
		3	5	Integrated service Management	Teaching		
		4	5	Service Elements	Teaching		
2	JAN	1	5	Introduction Constructing Service Environment	Teaching	Quiz	
		2	5	Managing People for Service Advantage	Teaching		
		3	5	Service Quality & Productivity	Teaching		
		4	5	Customer Loyalty	Teaching		
3	FEB	1	5	Introduction Pricing & Promotion Strategies	Teaching	Seminar	
		2	5	Pricing & Promotion Strategies	Teaching		
		3	5	B2B Marketing	Teaching		
		4	5	Marketing Planning & Control for Services	Teaching		
4	MAR	1	5	Introduction Distributing Services –Cost & Revenue Management	Teaching		
		2	5	Approaches for Providing Services	Teaching		
		3	5	Channels for Service Provision	Teaching		
		4	5	Designing & Managing Service Process	Teaching	Slip test	

5	APR	1	5	Introduction Retail Financial Services	Teaching		
		2	5	Investment & Insurance Service	Teaching		
		3	5	Credit Services-Institutional Financial Services	Teaching		
		4	5	Marketing Practices in Select Financial Service Firms	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR : 2021-2022

SEMESTER: I

NAME OF THE MODULE Fundamentals of Accounting

NO.HOURS/WEEK: 05

GROUP: I B.Com CA ,EM

PAPER: COM20101

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.N O	MON TH	WE EK	NO. OF HOU RS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY	REAM RKS
	DEC	3	5	Unit-I – Introduction: Need for Accounting – Definition – Objectives, –	Teaching		
		4	5	Accounting Concepts and Conventions –	Teaching		
2	JAN	1	5	GAAP - Accounting Cycle - Classification of Accounts and its Rules – Book Keeping and Accounting - Double Entry Book-Keeping - Journalizing - Posting to Ledgers, Balancing of Ledger Accounts (including Problems).	Teaching	Quiz	
		2	5	Unit-II: Subsidiary Books: Types of Subsidiary Books - Cash Book,	Teaching		
		3	5	Three-column Cash Book- Petty Cash Book (including Problems).	Teaching		
		4	5	Unit-III: Trial Balance and Rectification of Errors: Preparation of Trial balance - Errors – Meaning – Types of Errors –	Teaching		
3	FEB	1	5	Rectification of Errors – Suspense Account (including Problems)	Teaching	Seminar	
		2	5	Rectification of Errors – Suspense Account (including Problems)	Teaching		
		3	5	Rectification of Errors – Suspense Account (including Problems)	Teaching		

		4	5	Unit-IV: Bank Reconciliation Statement: Need for Bank Reconciliation -	Teaching		
4	MAR	1	5	Reasons for Difference between Cash Book and Pass Book Balances-	Teaching		
		2	5	Preparation of Bank Reconciliation Statement -	Teaching		
		3	5	Problems on both Favourable and Unfavourable Balance (including Problems).	Teaching		
		4	5	Unit -V: Final Accounts: Preparation of Final Accounts: Trading account –	Teaching	Slip test	
5	APR	1	5	Profit and Loss account – Balance Sheet –	Teaching		
		2	5	Final Accounts with Adjustments (including Problems).	Teaching		
		3	5	Final Accounts with Adjustments (including Problems).	Teaching		
		4	5	Final Accounts with Adjustments (including Problems)	Teaching		

**GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT**

YEAR : 2021-2022

GROUP: I B.Com (CA) EM

SEMESTER: I

PAPER: COM20102

NAME OF THE MODULE; BUSINESS ORGANIZATION & MANAGEMENT

NO.HOURS/WEEK: 05

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.N O	MON TH	WE EK	NO. OF HOU RS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY	REMARKS
	DEC	3	5	Unit-I –Introduction Concepts of Business, Trade, Industry and Commerce: Business – Meaning, Definition,	Teaching		
		4	5	Features and Functions of Business -	Teaching		
2	JAN	1	5	Trade Classification – Aids to Trade – Industry Classification and Commerce -	Teaching	Quiz	
		2	5	Factors Influencing the Choice of Suitable form of Organisation.	Teaching		
		3	5	Unit –II– Forms of Business Organizations: Features, Merits and Demerits of Sole Proprietorship and	Teaching		

		4	5	Partnership Business - Features Merits and Demits of Joint Stock Companies -	Teaching		
3	FEB	1	5	Public Sector Enterprises (PSEs) - Multinational Corporations (MNCs)- Differences between Private Limited and Public Limited Company	Teaching	Seminar	
		2	5	Unit-III -Company Incorporation: Preparation of Important Documents for	Teaching		
		3	5	Articles of Association - Contents of Prospectus	Teaching		
		4	5	Unit-IV- Management: Meaning Characteristics -	Teaching		
4	MAR	1	5	Fayol's 14 Principles of Management -	Teaching		
		2	5	Administration Vs Management	Teaching		
		3	5	- Levels of Management	Teaching		
		4	5	Unit-V-Functions of Management: Different Functions of Management	Teaching	Slip test	
5	APR	1	5	Meaning – Definition – Characteristics Merits and Demits of Planning -	Teaching		
		2	5	Principles of Organisation –	Teaching		
		3	5	Line and staff of Organisation	Teaching		
		4	5	REVISION	Teaching		

**GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT**

YEAR : 2021-2022

GROUP: I B.Com Gen (E/M)

SEMESTER: I

PAPER: COM20103

NAME OF THE MODULE; BUSINESS ENVIRONMENT

NO.HOURS/WEEK: 05

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
	DEC	3	5	Unit-I:Overview of Business Environment: Business Environment – Meaning – Characteristics –	Teaching		
		4	5	Scope -Macro and Micro Dimensions of	Teaching		

2	JAN	1	5	Business Environment - Environmental Analysis.	Teaching	Quiz	
		2	5	Unit – II:Economic Environment: Economic Environment – Nature of the Economy –	Teaching		
		3	5	Structure of Economy – Economic Policies & Planning the Economic Condition	Teaching		
		4	5	NITI Ayog – National Development Council – Five Year Plans	Teaching		
3	FEB	1	5	Unit–III: Economic Policies: Economic Reforms and New Economic Policy –	Teaching	Seminar	
		2	5	New Industrial Policy – Competition Law – Fiscal Policy – Objectives and Limitations – Monetary Policy and RBI	Teaching		
		3	5	Unit – IV:Social, Political and Legal Environment: Concept of	Teaching		
		4	5	Social Responsibility of Business towards Stakeholders - Demonetisation,	Teaching		
4	MAR	1	5	GST and their Impact - Political Stability - Legal Changes.	Teaching		
		2	5	GST and their Impact - Political Stability - Legal Changes.	Teaching		
		3	5	Unit–V:Global Environment : Globalization – Meaning – Role of WTO	Teaching		
		4	5	WTO Functions - IBRD–	Teaching	Slip test	
5	APR	1	5	Trade Blocks, BRICS, SAARC,	Teaching		
		2	5	ASEAN in Globalisation	Teaching		
		3	5	REVISION	Teaching		
		4	5	REVISION	Teaching		

**GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT**

YEAR : 2021-2022

GROUP: I B.Com CA EM , BIFS

SEMESTER: I

PAPER:

NAME OF THE MODULE; INSURANCE PROMOTION

NO.HOURS/WEEK: 05

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
	DEC	3	5	Unit I: Introduction of Insurance - Types of insurances.	Teaching		
		4	5	Growth of Insurance sector in India -	Teaching		

2	JAN	1	5	Regulatory mechanism (IRDA) - Its functions	Teaching	Quiz	
		2	5	Regulatory mechanism (IRDA) - Its functions Regulatory mechanism (IRDA) - Its functions	Teaching		
		3	5	Unit II: Life Insurance plans. Health insurance plans.Products and features. Contents of documents–	Teaching		
		4	5	Sales Promotion methods - Finding prospective customers –Counselling –	Teaching		
3	FEB	1	5	Helping customers in filing -	Teaching	Seminar	
		2	5	Extending post-insurance service to customers.	Teaching		
		3	5	Unit III : General Insurance - It's products (Motor, Marine,Machinery, Fire, Travel and Transportation) and	Teaching		
		4	5	features.Contents of documents.Dealing with customers – Explaining Products to	Teaching		
4	MAR	1	5	Customers - Promoting Customer loyalty. Maintenance of Records.	Teaching		
		2	5	Customers - Promoting Customer	Teaching		
		3	5	loyalty. Maintenance of Records.	Teaching		
		4	5	loyalty. Maintenance of Records.	Teaching	Slip test	
5	APR	1	5	loyalty. Maintenance of Records.	Teaching		
		2	5	loyalty. Maintenance of Records.	Teaching		
		3	5	REVISION	Teaching		
		4	5	REVISION	Teaching		




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GOVT. COLLEGE FOR MEN (A): KADAPA

CURRICULAR FORMAT

YEAR: 2021-2022

GROUP: II BCOM (GenTM & BIFS)

SEMESTER: IV

PAPER: 21401

NAME OF THE MODULE: CORPORATE ACCOUNTING

NO. HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JUNE	3	5	Accounting for Share Capital: Kinds of Shares – Types of Preference Shares	Teaching		
		4	5	– Issue of Shares at Par, Discount and Premium - Forfeiture and Reissue of Shares (including problems).	Teaching		
2	JULY	1	5	Issue and Redemption of Debentures and Issue of Bonus Shares: Accounting Treatment for Debentures Issued and Repayable at Par, Discount and Premium -	Teaching		
		2	5	Issue of Bonus Shares - Buyback of Shares - (including problems).	Teaching		
		3	5	Issue of Bonus Shares - Buyback of Shares - (including problems).	Teaching	Slip test	
		4	5	Valuation of Goodwill: Need and Methods - Average Profit Method, Super Profits Method –	Teaching		




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3	AUG	1	5	Capitalization Method and Annuity Method (Including problems).	Teaching		
		2	5	Capitalization Method and Annuity Method (Including problems).	Teaching		
		3	5	Valuation Shares: Need for Valuation - Methods of Valuation -	Teaching	Quiz	
		4	5	Net Assets Method, Yield Basis Method,	Teaching		
4	SEP	1	5	Fair Value Method (including problems).	Teaching		
		2	5	Company Final Accounts: Provisions of the Companies Act, 2013 - Preparation of Final Accounts –	Teaching		
		3	5	Adjustments Relating to Preparation of Final Accounts – Profit and Loss Account and Balance Sheet – (including problems with simple adjustments). Adjustments Relating to Preparation of Final Accounts – Profit and Loss Account and Balance Sheet – (including problems with simple adjustments).	Teaching		
		4	5	Profit and Loss Account and Balance Sheet – (including problems with simple adjustments).	Teaching	Seminar	
5	OCT	1	5	Revision	Teaching		
		2	5	Revision	Teaching		



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GOVT. COLLEGE FOR MEN (A): KADAPA

CURRICULAR FORMAT

YEAR: 2021-2022

GROUP: III BCOM (GEN TM & EM)

SEMESTER: IV

PAPER: 21402

NAME OF THE MODULE: COST AND MANAGEMENT-I

HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JUNE	3	5	Introduction Cost Accounting: Definition – Features – Objectives – Functions – Scope – Advantages and Limitations	Teaching		
		4	5	Management Accounting: Features – Objectives – Functions –	Teaching		
2	JULY	1	5	Elements of Cost - Preparation of Cost Sheet (including problems	Teaching		




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KADAPA.

		2	5	Material and Labour Cost: Techniques of Inventory Control – Valuation of Material Issues: FIFO - LIFO - Simple and Weighted	Teaching		
		3	5	Average Methods Labour: Direct and Indirect Labour Cost – Methods of Payment of Wages- Incentive Schemes -	Teaching	Slip test	
		4	5	Time Rate Method, Piece Rate Method, Halsey, Rowan Methods and Taylor Methods only(including problems)	Teaching		
3	AUG	1	5	Job Costing and Batch Costing: Definition and Features of Job Costing – Economic Batch	Teaching		
		2	5	Preparation of Job Cost Sheet – Problems on Job Cost Sheet and Batch Costing(including problems)	Teaching		
		3	5	Financial Statement Analysis and Interpretation: Financial Statements - Features, Limitations. Need, Meaning,	Teaching		
		4	5	Comparative Analysis – Common Size Analysis and Trend Analysis (including problems)	Teaching	Quiz	
4	SEP	1	5	Comparative Analysis – Common Size Analysis and Trend Analysis (including problems)	Teaching		

		2	5	Marginal Costing: Meaning and Features of Marginal Costing – Contribution –	Teaching		
		3	5	Profit Volume Ratio- Break Even Point – Margin of Safety –	Teaching		
		4	5	Estimation of Profit and Estimation of Sales(including problems)	Teaching	Seminar	
5	OCT	1	5	Estimation of Profit and Estimation of Sales(including problems)	Teaching		
		2	5	Revision	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: IV

NAME OF THE MODULE: INCOME TAX

NO. HOURS/WEEK: 5

GROUP: II BCOM Gen (TM)

PAPER: 21 403

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JUNE	1	5	Introduction: Income Tax Act-1961 - Basic Concepts: Income, Person, Assessee - Assessment Year, Previous Year,	Teaching		
		2	5	Rates of Tax, Agricultural Income,	Teaching		

		3	5	Residential Status of Individual - Incidence of Tax – Incomes Exempt from Tax (theory only).	Teaching		
		4	5	Income from Salaries: Basis of Charge, Tax Treatment of Different	Teaching		
2	JULY	1	5	Types of Salaries Allowances, Perquisites, Profits in Lieu of Salary,	Teaching		
		2	5	Deductions from Salary Income, Computation of Salary Income (including problems).	Teaching		
		3	5	Income from House Property and Profits and Gains from Business: Annual Value, Let-out/Self Occupied/Deemed to be Let-out house -	Teaching	Slip test	
		4	5	Deductions from Annual Value - Computation of	Teaching		
3	AUG	1	5	Income from House Property Definition of Business and Profession – Procedure for Computation of Income from Business –	Teaching		
		2	5	Revenue and Capital Nature of Incomes and Expenses – Allowable Expenses – Expenses Expressly Disallowed – Computation (including problems).	Teaching		
		3	5	Income from House Property and Profits and Gains from Business: Annual Value, Let-out/Self Occupied/Deemed to be Let-out house - Deductions from Annual Value	Teaching	Quiz	
		4	5	- Computation of Income from House Property Definition of Business and Profession – Procedure for Computation of Income from Business – Revenue and Capital Nature of Incomes and Expenses – Allowable Expenses – Expenses Expressly Disallowed – Computation (including problems).	Teaching		
4	SEP	1	5	Income from Capital Gains - Income from Other Sources: Meaning of Capital Asset – Types – Procedure for Computation of Long-term and Short-term Capital Gains/Losses	Teaching		

		2	5	Meaning of Other Sources - General Incomes – Specific Incomes – Computation (including problems).	Teaching		
		3	5	Computation of Total Income of an Individual: Deductions under Section 80 - Computation of Total Income (Simple problems).	Teaching		
		4	5	Deductions under Section 80 -	Teaching	Seminar	
5	OCT	1	5	Deductions under Section 80 -	Teaching		
		2	5	Revision	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA

CURRICULAR FORMAT

YEAR: 2021-2022

GROUP: II BCOM GEN (EM)

SEMESTER: IV

PAPER: 21404

NAME OF THE MODULE: BUSINESS LAWS

NO. HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JUNE	1	5	Contract: Meaning and Definition of Contract -	Teaching		
		2	5	Essential Elements of Valid Contract -Valid, Void and Voidable Contracts	Teaching		
		3	5	- Indian Contract Act, 1872	Teaching		

		4	5	Offer, Acceptance and Consideration: Definition of Valid Offer,	Teaching		
2	JULY	1	5	Acceptance and Consideration - Essential Elements of a Valid Offer,	Teaching		
		2	5	Acceptance and Consideration.	Teaching		
		3	5	Capacity of the Parties and Contingent Contract: Rules Regarding to Minors Contracts -	Teaching	Slip test	
		4	5	Rules Relating to Contingent Contracts - Different Modes of Discharge of Contracts -	Teaching		
3	AUG	1	5	Rules Relating to Remedies to Breach of Contract	Teaching		
		2	5	Sale of Goods Act 1930 and Consumer Protection Act 2019: Contract of Sale - Sale and Agreement to Sell -	Teaching		
		3	5	Implied Conditions and Warranties - Rights of Unpaid Vendor- Definition of	Teaching		
		4	5	Consumer - Person - Goods - Service - Consumer Dispute -	Teaching		
4	SEP	1	5	Consumer Protection Councils - Consumer Dispute Redressal Mechanism	Teaching	Seminar	
		2	5	Cyber Law: Overview and Need for Cyber Law -	Teaching		
		3	5	Contract Procedures -	Teaching		
		4	5	Digital Signature – Safety Mechanisms.	Teaching		
5	OCT	1	5	Revision	Teaching	Quiz	

		2	5	Revision	Teaching		
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GOVT. COLLEGE FOR MEN (A): KADAPA

CURRICULAR FORMAT

YEAR: 2021-2022

GROUP: II BCOM GEN (EM &TM)

SEMESTER: IV

PAPER: 21405

NAME OF THE MODULE: Auditing

NO. HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JUNE	1	5	Introduction: Meaning – Objectives – Importance of Auditing	Teaching		
		2	5	Characteristics - Book Keeping vs Auditing - Accounting vs Auditing –	Teaching		
		3	5	Role of Auditor in Checking Corporate Frauds.	Teaching		
		4	5	Types of Audit: Based on Ownership ,Time and Objective -	Teaching		
2	JULY	1	5	Independent, Financial, Internal, Cost, Tax,	Teaching		
		2	5	Government, Secretarial Audits	Teaching		

		3	5	Planning of Audit: Steps to be taken at the Commencement of a New Audit –	Teaching	Slip test	
		4	5	Audit Programme - Audit Note Book– Audit Working Papers -	Teaching		
3	AUG	1	5	Audit Evidence - Internal Check, Internal Audit and Internal Control.	Teaching		
		2	5	Vouching and Investigation: Definition and Importance of Vouching –	Teaching		
		3	5	Objectives of Vouching -	Teaching		
		4	5	Vouching of Cash and Trading Transactions – Investigation -	Teaching		
4	SEP	1	5	Auditing vs. Investigation Company Audit and Auditors Report: Auditor's Qualifications	Teaching	Seminar	
		2	5	Appointment and Reappointment – Rights, Duties, Liabilities and Disqualifications -	Teaching		
		3	5	Audit Report: Contents –Preparation -	Teaching		
		4	5	Relevant Provisions of Companies Act, 2013.	Teaching		
5	OCT	1	5	Revision	Teaching	Quiz	
		2	5	Revision	Teaching		




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GOVT. COLLEGE FOR MEN (A): KADAPA**CURRICULAR FORMAT**

YEAR: 2021-2022

GROUP: II BCOM GEN (EM &TM)

SEMESTER: IV

PAPER: 21406

NAME OF THE MODULE: GST

NO. HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JUNE	1	5	Introduction: Overview of GST - Concepts –Taxes Subsumed under GST –.	Teaching		
		2	5	Components of GST- GST Council-	Teaching		
		3	5	Advantages of GST-GST Registration	Teaching		
		4	5	GST Principles –Vijay Kelkar Sha Committee Recommendations	Teaching		
2	JULY	1	5	Comprehensive Structure of GST Model in India: Single, Dual GST –	Teaching		
		2	5	GST Rates - Taxes Exempted from GST-	Teaching		
		3	5	Taxes and Duties outside the purview of GST- Taxation of Services	Teaching	Slip test	
		4	5	Tax Invoice- Bill of Supply-Transactions Covered under GST-	Teaching		

3	AUG	1	5	Composition Scheme- Reverse Charge Mechanism-	Teaching		
		2	5	Composite Supply -Mixed Supply. Time of Supply of Goods & Services: Value of Supply -	Teaching		
		3	5	Input Tax Credit - Distribution of Credit -Matching of Input Tax Credit - Availability of Credit in Special Circumstances-	Teaching		
		4	5	Cross utilization of ITC between the Central GST and the State GST.	Teaching		
4	SEP	1	5	GST Returns: Regular Monthly Filing Returns-	Teaching	Seminar	
		2	5	Composition Quarterly Filing Returns-GSTR-1, GSTR-2, GSTR 2A, GSTR-3, GSTR 3B -	Teaching		
		3	5	Annual Returns GSTR-9, GSTR 9A, GSTR 9B& GSTR 9C -	Teaching		
		4	5	Records to be Maintained under GST	Teaching		
5	OCT	1	5	Revision	Teaching	Quiz	
		2	5	Revision	Teaching		



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GOVT. COLLEGE FOR MEN (A): KADAPA**CURRICULAR FORMAT**

YEAR : 2021-2022

GROUP: II BIFS (EM)

SEMESTER:IV

PAPER: 21407

NAME OF THE MODULE: Financial Services

NO.HOURS/WEEK: 05

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.N O	MONT H	WEE K	NO. OF HOUR S	TOPIC	CURRICULAR ACTIVITY	CO- CURRICUL AR ACTIVITY	REMARK S
1	JUN	1	5	Introduction of financial services	Teaching		
		2	5	Banking and non Banking companies	Teaching		
		3	5	Activities of Banking finance companies	Teaching		
		4	5	Fund Based Activities, fee Based Activities	Teaching		
2	JULY	1	5	Introduction of merchant Banking services	Teaching	Quiz	
		2	5	Scope and importance of merchant banking services	Teaching		
		3	5	Venture capital, securitization	Teaching		
		4	5	Demit services ,commercial paper	Teaching		

3	AUG	1	5	Introduction of Leasing and Hire purchase	Teaching	Seminar	
		2	5	Types of Lease, Documentation and Legal aspects	Teaching		
		3	5	Fixation of Rentals and Evaluation	Teaching		
		4	5	Hire purchasing, securitization of debts, house finance	Teaching		
4	SEP	1	5	Introduction of credit Rating	Teaching		
		2	5	Types, credit rating symbols	Teaching		
		3	5	Agencies :CRISIL and CARE, Enquiry Assessment vs. Grading, mutual funds	Teaching		
		4	5	Introduction of other financial services	Teaching	Slip test	
5	OCT	1	5	Factoring and forfeiting Procedural and financial aspects	Teaching		
					Teaching		
		2	5	Installment system, credit cards Central depository systems: NSDL,CSDL	Teaching		
					Teaching		




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GOVT. COLLEGE FOR MEN (A): KADAPA

CURRICULAR FORMAT

YEAR: 2021-2022

GROUP: I BCOM GEN –B &BIFS(EM)

SEMESTER: II

PAPER: COM20201

NAME OF THE MODULE: FINANCIAL ACCOUNTING

NO. HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JUN	1	5	Unit-I: Depreciation: Meaning and Causes of Depreciation	Teaching		
		2	5	Methods of Depreciation: Straight Line – Writtendown Value –	Teaching		
		3	5	Annuity and Depletion Method (including Problems).	Teaching		
		4	5	Annuity and Depletion Method (including Problems).	Teaching		
2	JULY	1	5	Unit-II: Provisions and Reserves: Meaning – Provision vs. Reserve –	Teaching		
		2	5	Preparation of Bad Debts Account – Provision for Bad and Doubtful Debts –	Teaching		

		3	5	Provision for Discount on Debtors-Provision for Discount on Creditors -	Teaching	Slip test	
		4	5	Repairs and Renewals Reserve A/c (including Problems).	Teaching		
3	AUG	1	5	Unit-III: Bills of Exchange: Meaning of Bill – Features of Bill	Teaching		
		2	5	Parties in the Bill – Discounting of Bill – Renewal of Bill –	Teaching		
		3	5	Entries in the Books of Drawer and Drawee (including Problems).	Teaching		
		4	5	Entries in the Books of Drawer and Drawee (including Problems).	Teaching	Quiz	
4	SEP	1	5	Unit-IV: Consignment Accounts: Consignment - Features - Proforma Invoice -	Teaching		
		2	5	Account Sales – Del-credere Commission - Accounting Treatment in the Books of Consigner and Consignee -	Teaching		
		3	5	Valuation of Closing Stock - Normal and Abnormal Losses (including Problems).	Teaching		
		4	5	Unit-V: Joint Venture Accounts: Joint Venture - Features - Difference between Joint- Venture and Consignment –	Teaching	Seminar	
5	OCT	1	5	Accounting Procedure – Methods of Keeping Records–	Teaching		
		2	5	One Vendor Keeps the Accounts and Separate Set off Books Methods (including Problems).	Teaching		



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CURRICULAR FORMAT

YEAR: 2021-2022

GROUP: I BCOM CA ,GEM-B (EM)

SEMESTER: II

PAPER: COM20202

NAME OF THE MODULE: BUSINESS ECONOMICS

NO. HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JUN	1	5	Unit-I: Introduction: Meaning and Definitions of Business Economics -	Teaching		
		2	5	Nature and Scope of Business Economics -	Teaching		
		3	5	Micro and Macro Economics and their Interface.	Teaching		
		4	5	Micro and Macro Economics and their Interface.	Teaching		
2	JULY	1	5	Unit-II: Demand Analysis: Meaning and Definition of Demand –	Teaching		
		2	5	Determinants to Demand–Demand Function -Law of Demand –	Teaching		
		3	5	Demand Curve – Exceptions to Law of Demand - Elasticity of Demand –	Teaching	Slip test	
		4	5	Measurements of Price Elasticity of Demand	Teaching		

3	AUG	1	5	Unit – III: Production, Cost and Revenue Analysis: Concept of Production Function –	Teaching		
		2	5	Law of Variable Proportion -	Teaching		
		3	5	Law of Returns to Scale - Classification of Costs	Teaching		
		4	5	-Break Even Analysis – Advantages.	Teaching	Quiz	
4	SEP	1	5	Unit-IV: Market Structure: Concept of Market – Classification of Markets -	Teaching		
		2	5	Perfect Competition – Characteristics – Equilibrium Price - Monopoly –	Teaching		
		3	5	Characteristics – Equilibrium Under Monopoly.	Teaching		
		4	5	Characteristics – Equilibrium Under Monopoly.	Teaching	Seminar	
5	OCT	1	5	Unit-V: National Income: Meaning – Definition – Measurements of National Income	Teaching		
		2	5	- Concepts of National Income -Components of National Income-Problems in Measuring National Income	Teaching		




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CURRICULAR FORMAT

YEAR: 2021-2022

GROUP: I BCOM GEN - B

SEMESTER: II

PAPER: COM20203

NAME OF THE MODULE: BANKING THEORY & PRACTICE

NO. HOURS/WEEK: 5

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JUN	1	5	Unit-I: Introduction: Meaning & Definition of Bank –	Teaching		
		2	5	Functions of Commercial Banks –	Teaching		
		3	5	Credit Creation with Examples -	Teaching		
		4	5	Kinds of Banks – Central Banking Vs. Commercial Banking.	Teaching		
2	JULY	1	5	Unit-II: Banking Systems: Unit Banking, Branch Banking, Investment Banking -	Teaching		
		2	5	Innovations in Banking – E banking - Online and Offshore Banking,	Teaching		
		3	5	Internet Banking - Anywhere Banking -	Teaching	Slip test	

		4	5	ATMs – RTGS- NEFT – Mobile Banking	Teaching		
3	AUG	1	5	Unit-III: Types of Banks: Indigenous Banking -	Teaching		
		2	5	Cooperative Banks, Regional Rural Banks,	Teaching		
		3	5	SIDBI, NABARD -	Teaching		
		4	5	EXIM bank	Teaching	Quiz	
4	SEP	1	5	Unit-IV: Banker and Customer: Meaning and Definition of Banker and Customer–	Teaching		
		2	5	Types of Customers –.	Teaching		
		3	5	General Relationship and Special Relationship between Banker and Customer -	Teaching		
		4	5	KYC Norms	Teaching	Seminar	
5	OCT	1	5	Unit-V: Collecting Banker and Paying Banker: Concepts - Duties & Responsibilities of Collecting Banker	Teaching		
		2	5	Holder for Value – Holder in Due Course – Statutory Protection to Collecting Banker - Responsibilities of Paying Banker - Payment Gateways.	Teaching		



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CURRICULAR FORMAT

YEAR: 2021-2022

GROUP: I BCOM CA, GEN & BIFS(EM)

SEMESTER: II

PAPER

NAME OF THE MODULE: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

NO. HOURS/WEEK: 2

TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JUN	1	5	Unit-1: Introduction to Logistics and Supply Chain Management (SCM): Functions of Logistics - Structure of logistics - Logistics Costs -	Teaching		
		2	5	Modes of Logistics - Logistics in 21st Century --	Teaching		
		3	5	Role of Supply Chain Management -	Teaching		
		4	5	Design and Development of Supply	Teaching		
2	JULY	1	5	Chain Network - Different types of Supply Chain Networks	Teaching		

		2	5	Unit-II: Logistics: Customer Selection - Process -	Teaching		
		3	5	Customer Service and Customer Retention –	Teaching	Slip test	
		4	5	Relationship Management -	Teaching		
3	AUG	1	5	Integrating Logistics and Customer Relationship Management	Teaching		
		2	5	Unit-III: Supply Chain Management: Managing and Estimating	Teaching		
		3	5	Supply Chain Demand –	Teaching		
		4	5	Forecasting Techniques –	Teaching	Quiz	
4	SEP	1	5	Supplier Networks –Skills to	Teaching		
		2	5	Manage SCM - Recent Trends in SCM	Teaching		
		3	5	Supply Chain Demand –	Teaching		
		4	5	Supplier Networks –Skills to	Teaching	Seminar	
5	OCT	1	5	Supply Chain Demand –	Teaching		
		2	5	Supply Chain Demand –	Teaching		




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GOVERNMENT DEGREE COLLEGE FOR MEN, KADAPA (AUTONOMOUS)
DEPARTMENT OF ECONOMICS
ANNUAL CURRICULAR PLAN 2021-2022
PAPER - I

NAME OF THE PAPER: MICRO ECONOMIC ANALYSIS

Name of the Lecturer: B.VIJAYA KUMAR

SEMESTER :- I

CLASS;I B.A.E.M

S.NO	MONTH & WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARK
01	NOV	5	Scarcity and Choice as fundamental problems of economics Micro and Macro Analysis	Lecture	Sliptest	
02	DEC	5	Scope and Importance- Inductive & Deductive methods- Partial	Lecture	Assignment	
03		5	and General Equilibrium Analysis Economic Static and Dynamic	Lecture	Assignment	
04		5	Concept of Demand -Factors determining demand- Law of Demand - reasons and exceptions	Lecture	Sliptest	
05		5	Elasticity of Demand- Indifference Curve analysis: Properties of Indifference curves, Indifference Curve Map	Lecture	Assignment	
06	JAN	5	Budget Line- Changes -Consumer Equilibrium under Indifference Curve Analysis –Consumers' Surplus	Lecture	Seminar	
07		5	Concept and Objectives of Firm - Production Possibilities Curve Production Function : Cobb- Douglas Production Function	Lecture	Quiz	
08		5	Law of Variable Proportions -Laws of Returns to Scale - Economies of large scale - Concepts of Cost - Total	Lecture	Jam	
09		5	Average and Marginal Costs - Law of Supply - Concept of Revenue : Total, Average and Marginal Revenues	Lecture	Project Work	
10	FEB	5	Concept of Market, Classification of Markets-Perfect Competition	Lecture	Guest Lecture	
11		5	Price and Output determination ; Monopoly Price and Output Determination - Price Discrimination	Lecture	Assignment	
12		5	and Price rigidity. concepts of Distribution - Marginal Productivity Theory of Distribution- Concept of Rent	Lecture	Quiz	
14	MAR	5	Ricardian Theory of Rent –Quasi Rent; Theories of Wage Determination: Subsistence Theory	Lecture	Assignment	




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15		5	Standard of Living Theory- Classical Theory of Interest -Time Theory of Interest	Lecture	Slip test	
16		5	Liquidity Preference Theory of Interest- Theories of Profit: Risk and Uncertainty, Dynamic and Innovations Theories.	Lecture	G D	

GOVERNMENT DEGREE COLLEGE FOR MEN, KADAPA (AUTONOMOUS)

DEPARTMENT OF ECONOMICS

ANNUAL CURRICULAR PLAN 2021-2022

NAME OF THE PAPER: MACRO ECONOMIC ANALYSIS

Name of the Lecturer: B.VIJAYA KUMAR

CLASS: I B.A. E.M

SEMESTER:- II

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Co-Curricular Activity	Remark
02	JUNE	6	Macroeconomics - Definition, Scope and Importance - Difference between Micro economic and Macro economic Analyses	Lecture	Assignment	
03		6	Circular Flow of Income -National Income: Definitions, Concepts, Measurement of National Income	Lecture	Assignment	
04		4	Difficulties - Importance - Concept of Green Accounting	Lecture	Slip test	
05	JULY	2	Classical Theory of Employment	Lecture	Assignment	
06		6	Say's Law of Markets - Criticism -Keynesian Theory of Employment - Consumption Function - Keynes' Psychological Law of Consumption -	Lecture	Seminar	
07		6	Average and Marginal Propensity to Consume Factors determining Consumption Function –Brief Review of Relative, Life Cycle and Permanent Income Hypotheses	Lecture	Quiz	
08		6	Investment Function: Marginal Efficiency of Capital -Multiplier and Accelerator - Keynesian Theory of Employment - Applicability to Developing countries	Lecture	Jam	
		6	Definitions of Money - Concepts of Money, Liquidity and Finance - Money Illusion - Gresham's Law - RBI classification of Money	Lecture	Project Work	
09		6	Theories of Money: Fisher and Cambridge (Marshall, Pigou, Robertson and Keynes equations)	Lecture	Project Work	
10		5	Banking - Definition and types of Banking - Commercial Banks - Functions	Lecture	Guest Lecture	

11	AUGU ST	4	Recent Trends in Banking - Mergers and Acquisitions - Central Bank - Functions - Control of Credit by Central Bank	Lecture	Assignment	
12		6	NBFCs- Factors contributing to their Growth and their Role Inflation: Concepts of Inflation, deflation, reflation and stagflation	Lecture	Group Discussio	
		2	Phillip's Curve	Lecture	Sliptest	
13	SEPTE MBER	3	Measurement of Inflation - CPI and WPI -Types of Inflation	Lecture	Quiz	
14		6	Causes and Consequences of Inflation -Measures to Control Inflation.	Lecture	Assignment	
15		6	Trade Cycles: Phases of a Trade Cycle -Causes and Measures to control Trade Cycles	Lecture	Sliptest	
16		6	Financial Assets and Financial Instruments - Financial Markets - Functions of Money Market - Functions of Capital Market	Lecture	G D	
17		5	Stock Market - Exchanges – Indices: Sensex and Nifty - Concept of Insurance -Types and Importance of Insurance	Lecture	Slip Test	

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DEPARTMENT OF ECONOMICS

ANNUAL CURRICULAR PLAN 2021-2022

PAPER - I

NAME OF THE PAPER: DEVELOPMENT ECONOMICS

Name of the Lecturer: B.VIJAYA KUMAR

SEMESTER :- III

CLASS;II B.A.T.M

S.NO	MONTH & WEEK	NO. OF HOURS	TOPIC	Curricular Activity	Co-Curricular Activity	REMARK
01	NOV	5	Economic Development as a Branch of Study of Economics – Scope and Importance - Distinction between Economic Growth and Economic Development	Lecture	Slip test	
02	DEC	5	Measures of Economic Development and their limitations - Relevance of Herd (Group) Immunity in the context of COVID 19	Lecture	Assignment	
03		5	- three core values of economic development: Sustainability Self-esteem and Freedom-Economy and Environment: Concepts of sustainable development and inclusive growth	Lecture	Assignment	



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04		5	Characteristics of Underdeveloped Countries - World Bank and IMF Classification of countries - Modern economic growth – Kuznets' Six Characteristics	Lecture	Slip test	
05		5	Obstacles to economic development - Vicious Circle of Poverty and cumulative causation -Factors of economic growth	Lecture	Assignment	
06	JAN	5	Economic and Non-economic-Capital Formation – Foreign and Domestic capital, Debt and Disinvestment.	Lecture	Seminar	
07		5	Classical Theory: Adam Smith, Ricardo and Malthus -Marxian Theory	Lecture	Quiz	
08		5	Schumpeter Theory -Rostow's Stages of Economic Growth	Lecture	Jam	
09		5	Harrod-Domar two sector model -Solow's Model and Robinson's Golden Age	Lecture	Project Work	
10	FEB	5	Strategies of Economic Development – Big Push -Balanced Growth- Unbalanced Growth	Lecture	Guest Lecture	
11		5	Mahalanobis Model - Agriculture vs Industry -Capital Intensive Technology vs Labour Intensive Technology	Lecture	Assignment	
12		5	Role of Infrastructure in Economic Development- Role of State in Economic Development	Lecture	G D	
13		5	Role of Markets - Market Failure and Regulation by State -Public sector vs Private sector	Lecture	Quiz	
14	MAR	5	Economic Planning – concept, objectives and types -NITI Ayog	Lecture	Assignment	
15		5	Economic Federalism -Financial Institutions and Economic Development	Lecture	Sliptest	
16		5	Role of International Institutions-IDBI, ADB, IMF -Foreign Trade - FIIs and FDIs	Lecture	G D	



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GOVERNMENT COLLEGE FOR MEN (AUTONOMOUS) KADAPA**DEPARTMENT OF ECONOMICS****ANNUAL CURRICULAR PLAN 2021-2022****NAME OF THE PAPER: ECONOMIC DEVELOPMENT- INDIA AND ANDHRA PRADESH-IV PAPER****Name of the Lecturer : B.VIJAYA KUMAR****CLASS: II B.A. T.M****SEMESTER :- IV**

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Co-Curricular Activity	Remark
01	JUNE	4	Basic characteristics of Indian Economy as a developing economy – Economic development since independence	Lecture	Assignment	
02		6	Objectives and achievements of planning –	Lecture	Sliptest	
03		6	Planning Commission/ NITI Ayog and their approaches to economic development India's Rank in Global Human Development Index	Lecture	G D	
04						
05	JULY	4	Trends in National income Demographic trends	Lecture	Assignment	
06		6	Poverty and Inequalities – Occupational Structure	Lecture	Seminar	
07		6	Unemployment - Various Schemes of employment generation and eradication of poverty – Issues in Rural Development and Urban Development	Lecture	Quiz	
08		6	Intra-state and Inter-state Labour Migration and unorganized sector Problems of Migrant Labour Indian Agriculture – Agricultural Strategy and Agricultural Policy	Lecture	Jam	
		4	Agrarian Crisis and land reforms – Agricultural credit – Minimum Support Prices	Lecture	Project Work	
10	AUGUST		Malnutrition and Food Security- Indian Industry - Recent Industrial Policy	Lecture	Guest Lecture	
		6	Make-in India			
11		6	Start-up and Stand-up programs- SEZs and Industrial Corridors - Economic Reforms and their impact	Lecture	Assignment	
12		6	Economic initiatives by government of India during COVID - Atmanirbhar Bharat package. Indian Tax System and Recent changes	Lecture	G D	
		6	GST and its impact on Commerce and Industry – Centre, States financial relations- Recommendations of Recent Finance Commission	Lecture	Project Work	
13		3	Public Expenditure and Public Debt -	Lecture	Quiz	

14	SEPTEMBER	6	Fiscal Policy and Budgetary Trends-The basic characteristics of Andhra Pradesh economy after bifurcation in 2014 –	Lecture	Assignment	
15		6	Impact of bifurcation on the endowment of natural resources and state revenue- new challenges to industry and commerce - the new initiatives to develop infrastructure – Power and Transport	Lecture	Sliptest	
16		6	Information Technology and e-governance – Urbanization and smart cities	Lecture	Group Discussio	
		5	Skill development and employment –Social welfare programmes.	Lecture	Jam	

GOVERNMENT COLLEGE FOR MEN (AUTONOMOUS) KADAPA
DEPARTMENT OF ECONOMICS
ANNUAL CURRICULAR PLAN 2021-2022
NAME OF THE PAPER: STATISTICAL METHODS FOR ECONOMICS
Name of the Lecturer : B.VIJAYA KUMAR

CLASS: II B.A. T.M

SEMESTER:- IV

S.N o	Month & Week	No. Of Hours	Topic	Curricular Activity	Co-Curricular Activity	Remark
01	JUNE	4	Introduction to Statistics – Definition, scope, importance and limitations of Statistics	Lecture	Assignment	
02		6	Primary and Secondary data- Census and Sampling techniques and their merits and demerits	Lecture	Sliptest	
03		6	Collection of data - Schedule and questionnaire – Frequency distribution – Tabulation		G D	
04		6	diagram and graphic presentation of data – Histogram, Frequency Polygon	Lecture		
05	JULY	4	Cumulative Frequency Curves - Bar Diagrams and Pie Diagram	Lecture	Assignment	
06		6	Measures of Central Tendency and Dispersion - Types of averages- Arithmetic Mean	LECTURE	SEMINAR	
07		6	Geometric Mean, Harmonic Mean	LECTURE	QUIZ	
08		6	– Mode – Dispersion - Range, Quartile Deviation	LECTURE	JAM	
		4	Mean Deviation	Lecture	Project Work	

10	AUGU ST	6	Standard Deviation- Coefficient of Variation	Lecture	Guest Lecture	
11		6	Correlation- Meaning, Definition and uses of Correlation- Types of Correlation	Lecture	Assignment	
12		6	Karl Pearson’s Correlation coefficient	Lecture	G D	
		6	Spearman’s Rank Correlation	Lecture	Project Work	
13	SEPTE MBER	3	Regression Equations	Lecture	Quiz	
14		6	utility of regression analysis – Demand forecasting	Lecture	Assignment	
15		6	Time Series Definition and components of Time Series	Lecture	Sliptest	
16		6	Measurement of Time Series – Moving Average and the Least Squares Method	Lecture	Group Discussio	
		5	Index Numbers - Concepts of Price and Quantity Relatives – Laspeyers Index Numbers	Lecture	JAM	
17	OCT	6	Paasche’s and Fisher’s Ideal Index Numbers – Uses and Limitations of Index Numbers.	Lecture		

GOVERNMENT DEGREE COLLEGE FOR MEN,KADAPA (AUTONOMOUS)

DEPARTMENT OF ECONOMICS

ANNUAL CURRICULAR PLAN 2021-2022

PAPER - V

NAME OF THE PAPER: INDIAN ECONOMY(V PAPER)

Name of the Lecturer: B.VIJAYA KUMAR

SEMESTER :- V

CLASS;III B.A.T.M

S.N o	Month & Week	No. Of Hours	Topic	Curricular Activity	Co-Curricular Activity	Remark
01		5	Concepts of Development Meaning and definitions of Economic Growth and Development	Lecture	Sliptest	
02		5	Measures of Economic Development GNP,PCI,PQLI and HDI		Assignment	

03	SEP	5	Factors influencing Economic Development	Lecture	Assignment	
04		5	Concept of Sustainable Development	Lecture	Sliptest	
05	OCT	5	Balanced and Unbalanced Growth Theories	Lecture	Assignment	
06		5	Choice of Techniques-Labour Intensive and Capital Intensive Methods	Lecture	Seminar	
07		5	Structure of the Indian Economy- Basic Features	Lecture	Quiz	
08		5	Natural Resources –Land Water and Forest Resources	Lecture	Jam	
09	NOV	5	Basic Demographic Features-Size and Growth of Population- Age and Sex Composition	Lecture	Project Work	
10		5	Rural and Urban Population –Occupational Distribution –Population Policy	Lecture	Guest Lecture	
11		5	National income in India- National income Estimates in India Trends in National Income Growth and structure in India	Lecture	Assignment	
12		5	Poverty- Causes and Consequences and Remedial Measures	Lecture	G D	
13	DEC	5	Inequalities and Unemployment Causes and Consequences	Lecture	Quiz	
14		5	Planning Economic Development-Meaning and Objectives of Economic Plan in India	Lecture	Assignment	
15		5	Past Five Year Plans in Brief	Lecture	Sliptest	
16		5	Current Five Year Plan- Meaning and Objectives of Economic Planning in India	Lecture	G D	
17	JAN	5	New Economic Policy –Liberalization , Privatization and Globalization in India	Lecture	Slip Test	
18		5	Inclusive Growth	Lecture	Student Seminar	




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GOVERNMENT DEGREE COLLEGE FOR MEN, KADAPA (AUTONOMOUS)
DEPARTMENT OF ECONOMICS
ANNUAL CURRICULAR PLAN 2021-2022
NAME OF THE PAPER: ELEMENTS OF PUBLIC FINANCE (Paper-VI)
Name of the Lecturer : B.VIJAYA KUMAR

SEMESTER :- V

CLASS;III B.A. T.M

S.NO	MONTH & WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
01	SEP	5	Nature and scope of public Finance-Distinction between Public and private finance	Lecture	Sliptest	
02		5	Public Goods and Private Goods	Lecture	Sliptest	
03		5	Principle of Maximum Social Advantage,	Lecture	Assignment	
05	OCT	5	Public Revenue- Concepts of Revenue Receipt and Non-revenue Receipt	Lecture	Seminar	
06		5	Classification Public Revenue	Lecture	Field Visit	
07		5	Tax System Structure and Reforms	Lecture	Quiz	
08		5	Public Expenditure-Scope of public expenditure	Lecture	Jam	
09	NOV	5	; Causes of growth of Public Expenditure	Lecture	Project Work	
10		5	Wagner's Law	Lecture	Guest Lecture	
11		5	Classification of Public Expenditure	Lecture	Assignment	
12		5	Canons of Public Expenditure Importance of Public Expenditure in Developing Countries	Lecture	G D	
13		5	Effects of Public Expenditure on Production , Distribution	Lecture	Quiz	
14		5	Budget Deficits	Lecture	Assignment	

15	DEC	5	Public Debt-Internal and External Debt, Burden of public debt	Lecture	Sliptest	
16		5	Redemption of Public Debt; Role of Public Debt with special reference to developing countries	Lecture	G D	
17		5	REVISION	Lecture	Slip Test	
18	JAN	5	REVISION	Lecture	Student Seminar	

**GOVERNMENT DEGREE COLLEGE FOR MEN, KADAPA(AUTONOMOUS)
DEPARTMENT OF ECONOMICS**

ANNUAL CURRICULAR PLAN 2021-2022

NAME OF THE PAPER: AGRICULTURAL ECONOMICS(PAPERVII)

Name of the Lecturer: B.VIJAYA KUMAR

SEMESTER :- VI

CLASS;III B.A. (T.M)

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Cocurricular Activity	Remark
01	JAN	5	Nature And Scope Of Economics	Lecture	Assignment	
02		5	Factors Affecting Agricultural Development, Technological Institutional and General	Lecture	Student Seminar	
03		5	Interdependence Between Agriculture And Industry Concept Of Production Function	Lecture	Assignment	
04	FEB	5	Input-Output Product Relationship In Farm Production	Lecture	Assignment	
05		5	Growth and Productivity Trends in Indian Agriculture	Lecture	Seminar	
06		5	With Special Reference to Andhra Pradesh	Lecture	Quiz	



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07		5	Agrarian Reforms	Lecture	Jam	
08		5	And Their Role In Economic Development	Lecture	Project Work	
09		5	Systems Of Farming	Lecture	Guest Lecture	
10		5	Farm Size And Productivity Relationship In Indian Agriculture	Lecture	Assignment	
11	MAR	5	With Special Reference to Andhra Pradesh	Lecture	G D	
12		5	New Agriculture Strategy Green Revolution And Its Impact	Lecture	Quiz	
13		5	Emerging Trends in Production, Processing	Lecture	Assignment	
14	APR	5	Trends in Marketing And Exports -Policy Control and Regulations Relating to Industrial Sector With Special Reference to Agro Industry	Lecture	Slip test	
15		5	Agri Business Enterprises	Lecture	G D	
16		5	REVISION	Lecture	Slip Test	
17	MAY	5	END SEMESTER EXAMINATIONS	Lecture	Student Seminar	




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GOVERNMENT DEGREE COLLEGE FOR MEN, KADAPA(AUTONOMOUS)
DEPARTMENT OF ECONOMICS
ANNUAL CURRICULAR PLAN 2021-2022
NAME OF THE PAPER: Agribusiness Environment in Andhra Pradesh
Name of the Lecturer: B.VIJAYA KUMAR

SEMESTER :- VI

CLASS;III B.A.(T.M)

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Cocurricular Activity	Remark
01	JAN	5	Role of agriculture in development process in Andhra Pradesh vis-a-vis other developed states	Lecture	Assignment	
02		5	Economy wide effects of agriculture in Andhra Pradesh through trickle down effects	Lecture	Student Seminar	
03		5	Back ward and forward linkages of agriculture with rest of economy	Lecture	Assignment	
04		5	Agricultural finance-importance in modern Agriculture	Lecture	Sliptest	
05	FEB	5	Performance of agricultural finance in Andhra Pradesh, Problems of agricultural finance	Lecture	Assignment	
06		5	Inter linkages of agricultural credit and other input markets and product markets	Lecture	Seminar	
07		5	Dynamics of agriculture-crop (horticulture, field crops), sector-livestock (poultry dairy and fisheries) sector and inter linkages among the sectors	Lecture	Quiz	
08		5	Growth performance of major agricultural commodities in Andhra Pradesh	Lecture	Field Visit	
09		5	production and processing trends in exports and imports of major agricultural commodities	Lecture	Project Work	

10	MAR	5	Agribusiness sector in Andhra Pradesh- Salient features, and constraints	Lecture	Guest Lecture	
11		5	Sub sectors of agribusiness-input sector,	Lecture	Assignment	
12		5	production sector and processing sector	Lecture	G D	
13	APR	5	Marketing policy. structure of agri markets	Lecture	Quiz	
14		5	Regulated markets its need and activities	Lecture	Assignment	
15		5	Structure of APMC act	Lecture	Slip test	
16		5	Market legislations	Lecture	G D	
17	MAY	5	Role of Farmer Groups in the marketing of Agricultural Produce	Lecture	Slip Test	
18		5	REVISION END SEMESTER EXAMINATIONS	Lecture	Student Seminar	



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GOVERNMENT DEGREE COLLEGE FOR MEN,KADAPA(AUTONOMOUS)**DEPARTMENT OF ECONOMICS****ANNUAL CURRICULAR PLAN 2021-2022****NAME OF THE PAPER: Agricultural Output Marketing****Name of the Lecturer: B.VIJAYA KUMAR****SEMESTER :- VI****CLASS;III B.A.T.M**

S.N O	MONTH & WEEK	NO. OF HOUR S	TOPIC	CURRICULAR ACTIVITY	COCURRICULA R ACTIVIIY	REMARK
01	JAN	5	Structure and Model of Agri-Marketing Organizations with functions	Lecture	Assignment	
02		5	Functions of intermediaries Marketing Practices in Primary	Lecture	Student Seminar	
03		5	and terminal market, Regulated markets,	Lecture	Assignment	
04	FEB	5	co-operative marketing costs and margins, Marketing Finance	Lecture	Sliptest	
05		5	Marketing Structure of Major agricultural commodities	Lecture	Assignment	
06		5	food grains: Rice, and Maize Cash Crops; Cotton, Oil Seeds, Vegetables	Lecture	Seminar	
07		5	Fruits, Milk, Meat and Poultry products	Lecture	Quiz	
08	MAR	5	Problems and Challenges in Agriculture Marketing Market Yards	Lecture	Field Visit	
09		5	Support prices Rural Warehousing State Intervention in Agricultural	Lecture	Project Work	
10		5	Role of Various agencies- Andhra Pradesh Agro, MARKEED	Lecture	Guest Lecture	
11		5	State Department, and FCI, Tobacco Board, Cotton Corporation	Lecture	Assignment	
12		5	Their impact on market efficiency- Agriculture Price Commission	Lecture	G D	
13	APR	5	Inter-regional and international trade in agriculture	Lecture	Quiz	
14		5	emerging scenario of international trade in agricultural commodities- concept of terms of trade	Lecture	Assignment	
15		5	and balance of payments, WTO Indian agriculture	Lecture	Slip test	
16	MAY	5	with special reference to Andhra Pradesh	Lecture	G D	
17		5	REVISION END SEMESTER EXAMINATIONS	Lecture	Slip Test	

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NAME OF THE PAPER: Agricultural Input Marketing
Name of the Lecturer : B.VIJAYA KUMAR

SEMESTER :- VI

CLASS;III B.A.(T.M)

S.NO	MONTH & WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	COCURRICULAR ACTIVITY	REMARKS
01	JAN	5	Agri input marketing concepts and techniques	Lecture	Assignment	
02		5	Distinctive Features of Input Marketing Distribution Channels Of Agri Inputs	Lecture	Student Seminar	
03		5	Private, Govt, Cooperative and Joint Sector Agri Inputs Promotional programs	Lecture	Assignment	
04	FEB	5	Issues in Seed Marketing Determinants Of Seed Demand Private Sector Contribution	Lecture	Sliptest	
05		5	Public Sector support to Private Sector Distinctive Features of Seed Marketing -	Lecture	Assignment	
06		5	Vis-à-vis other inputs Seed Industry –Strengths and Weaknesses	Lecture	Seminar	
07		5	Fertilizer Industry Scenario -Role Of, Public ,Private, Co-Operative And Join Sector In Fertilizers Industry	Lecture	Quiz	
08	MAR	5	Fertilizers Production,consumption,and imports of fertilizers Fertilizer Marketing Characteristics- Bio fertilizers-Their Role and Scope	Lecture	Guest Lecture	
09		5	Major constraints involved in production level-marketing, Field Level-Marketing network channels	Lecture	Project Work	
10		5	Pesticides industry		Field Visit	
11		5	Consumption-cropwise,areawise-Demand and Supply	Lecture	G D	
13	APR	5	IPM concept development	Lecture	Quiz	
14		5	Bio pesticides-scope and growth	Lecture	Assignment	
15		5	Agricultural mechanization- importance and future priorities	Lecture	Slip test	
16		5	Contribution of agricultural mechanization	Lecture	G D	
17	MAY	5	Need for development of machinery to suit local resource endowments	Lecture	Slip Test	
18		5	REVISION END SEMESTER EXAMINATIONS	Lecture	Student Seminar	



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ANNUAL CURRICULAR PLAN 2021-2022
PAPER - I

NAME OF THE PAPER: MICRO ECONOMIC ANALYSIS

Name of the Lecturer: K.SIVARAM

SEMESTER :- I

CLASS; I B.A.E.M

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Co-Curricular Activity	Remark
01	NOV	5	Scarcity and Choice as fundamental problems of economics Micro and Macro Analysis	Lecture	Sliptest	
02	DEC	5	Scope and Importance- Inductive & Deductive methods- Partial	Lecture	Assignment	
03		5	and General Equilibrium Analysis Economic Static and Dynamic	Lecture	Assignment	
04		5	Concept of Demand -Factors determining demand- Law of Demand - reasons and exceptions	Lecture	Slip test	
05		5	Elasticity of Demand- Indifference Curve analysis: Properties of Indifference curves, Indifference Curve Map	Lecture	Assignment	
06	JAN	5	Budget Line- Changes -Consumer Equilibrium under Indifference Curve Analysis –Consumers’ Surplus	Lecture	Seminar	
07		5	Concept and Objectives of Firm - Production Possibilities Curve Production Function : Cobb- Douglas Production Function	Lecture	Quiz	
08		5	Law of Variable Proportions -Laws of Returns to Scale - Economies of large scale - Concepts of Cost - Total	Lecture	Jam	
09		5	Average and Marginal Costs - Law of Supply - Concept of Revenue : Total, Average and Marginal Revenues	Lecture	Project Work	
10	FEB	5	Concept of Market, Classification of Markets-Perfect Competition	Lecture	Guest Lecture	
11		5	Price and Output determination ; Monopoly Price and Output Determination - Price Discrimination	Lecture	Assignment	
12		5	Monopolistic Competition -Price determination - Selling Costs ; Oligopoly -Types- Kinky demand curve	Lecture	G D	
13		5	. and Price rigidity. concepts of Distribution - Marginal Productivity Theory of Distribution- Concept of Rent	Lecture	Quiz	

14	MAR	5	Ricardian Theory of Rent –Quasi Rent; Theories of Wage Determination: Subsistence Theory	Lecture	Assignment	
15		5	Standard of Living Theory- Classical Theory of Interest -Time Theory of Interest	Lecture	Sliptest	
16		5	Liquidity Preference Theory of Interest- Theories of Profit: Risk and Uncertainty, Dynamic and Innovations Theories.	Lecture	G D	

GOVERNMENT DEGREE COLLEGE FOR MEN, KADAPA (AUTONOMOUS)

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NAME OF THE PAPER: MACRO ECONOMIC ANALYSIS

Name of the Lecturer: K.SIVARAM

CLASS: I B.A. E.M

SEMESTER:- II

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Co-Curricular Activity	Remark
02	JUNE	6	Macroeconomics - Definition, Scope and Importance - Difference between Micro economic and Macro economic Analyses	Lecture	Assignment	
03		6	Circular Flow of Income -National Income: Definitions, Concepts, Measurement of National Income	Lecture	Assignment	
04		4	Difficulties - Importance - Concept of Green Accounting	Lecture	Slip test	
05	JULY	2	Classical Theory of Employment	Lecture	Assignment	
06		6	Say's Law of Markets - Criticism -Keynesian Theory of Employment - Consumption Function - Keynes' Psychological Law of Consumption -	Lecture	Seminar	
07		6	Average and Marginal Propensity to Consume Factors determining Consumption Function –Brief Review of Relative, Life Cycle and Permanent Income Hypotheses	Lecture	Quiz	
08		6	Investment Function: Marginal Efficiency of Capital -Multiplier and Accelerator - Keynesian Theory of Employment - Applicability to Developing countries	Lecture	Jam	
		6	Definitions of Money - Concepts of Money, Liquidity and Finance - Money Illusion - Gresham's Law - RBI classification of Money	Lecture	Project Work	
09		6	Theories of Money: Fisher and Cambridge (Marshall, Pigou, Robertson and Keynes equations)	Lecture	Project Work	

10	AUGUST	5	Banking - Definition and types of Banking - Commercial Banks - Functions	Lecture	Guest Lecture	
11		4	Recent Trends in Banking - Mergers and Acquisitions - Central Bank - Functions - Control of Credit by Central Bank	Lecture	Assignment	
12		6	NBFCs- Factors contributing to their Growth and their Role Inflation: Concepts of Inflation, deflation, reflation and stagflation	Lecture	G D	
		2	Phillip's Curve	Lecture	Slip test	
13	SEPTEMBER	3	Measurement of Inflation - CPI and WPI -Types of Inflation	Lecture	Quiz	
14		6	Causes and Consequences of Inflation -Measures to Control Inflation.	Lecture	Assignment	
15		6	Trade Cycles: Phases of a Trade Cycle -Causes and Measures to control Trade Cycles	Lecture	Slip test	
16		6	Financial Assets and Financial Instruments - Financial Markets - Functions of Money Market - Functions of Capital Market	Lecture	G D	
17		5	Stock Market - Exchanges – Indices: Sensex and Nifty - Concept of Insurance - Types and Importance of Insurance	Lecture	Slip Test	

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PAPER - I

NAME OF THE PAPER: DEVELOPMENT ECONOMICS

Name of the Lecturer: K.SIVARAM

SEMESTER :- III

CLASS;II B.A.E.M

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Co-Curricular Activity	Remark
01	NOV	5	Economic Development as a Branch of Study of Economics – Scope and Importance - Distinction between Economic Growth and Economic Development	Lecture	Slip test	
02	DEC	5	Measures of Economic Development and their limitations - Relevance of Herd (Group) Immunity in the context of COVID 19		Assignment	



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03		5	- three core values of economic development : Sustainability Self-esteem and Freedom-Economy and Environment : Concepts of sustainable development and inclusive growth	Lecture	Assignment	
04		5	Characteristics of Underdeveloped Countries - World Bank and IMF Classification of countries - Modern economic growth – Kuznets' Six Characteristics	Lecture	Slip test	
05		5	Obstacles to economic development - Vicious Circle of Poverty and cumulative causation -Factors of economic growth	Lecture	Assignment	
06	JAN	5	Economic and Non-economic-Capital Formation – Foreign and Domestic capital, Debt and Disinvestment.	Lecture	Seminar	
07		5	Classical Theory: Adam Smith, Ricardo and Malthus -Marxian Theory	Lecture	Quiz	
08		5	Schumpeter Theory -Rostow's Stages of Economic Growth	Lecture	Jam	
09		5	Harrod-Domar two sector model -Solow's Model and Robinson's Golden Age	Lecture	Project Work	
10	FEB	5	Strategies of Economic Development – Big Push -Balanced Growth- Unbalanced Growth	Lecture	Guest Lecture	
11		5	Mahalanobis Model - Agriculture vs Industry -Capital Intensive Technology vs Labour Intensive Technology	Lecture	Assignment	
12		5	Role of Infrastructure in Economic Development- Role of State in Economic Development	Lecture	G D	
13		5	Role of Markets - Market Failure and Regulation by State -Public sector vs Private sector	Lecture	Quiz	
14	MAR	5	Economic Planning – concept, objectives and types -NITI Ayog	Lecture	Assignment	
15		5	Economic Federalism -Financial Institutions and Economic Development	Lecture	Slip test	
16		5	Role of International Institutions-IDBI, ADB, IMF -Foreign Trade - FIIs and FDIs	Lecture	G D	




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ANNUAL CURRICULAR PLAN 2021-2022
NAME OF THE PAPER: ECONOMIC DEVELOPMENT- INDIA AND ANDHRA PRADESH-IV PAPER
Name of the Lecturer : K. SIVARAM

CLASS: II B.A. E.M

SEMESTER :- IV

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Co-Curricular Activity	Remark
01	JUNE	4	Basic characteristics of Indian Economy as a developing economy – Economic development since independence	Lecture	Assignment	
02		6	Objectives and achievements of planning –	Lecture	Sliptest	
03		6	Planning Commission/ NITI Ayog and their approaches to economic development India's Rank in Global Human Development Index	Lecture	G D	
04						
05	JULY	4	Trends in National income Demographic trends	Lecture	Assignment	
06		6	Poverty and Inequalities – Occupational Structure	Lecture	Seminar	
07		6	Unemployment - Various Schemes of employment generation and eradication of poverty – Issues in Rural Development and Urban Development	Lecture	Quiz	
08		6	Intra-state and Inter-state Labour Migration and unorganized sector Problems of Migrant Labour Indian Agriculture – Agricultural Strategy and Agricultural Policy	Lecture	Jam	
		4	Agrarian Crisis and land reforms – Agricultural credit – Minimum Support Prices	Lecture	Project Work	
10	AUGUST	6	Malnutrition and Food Security- Indian Industry - Recent Industrial Policy – Make-in India	Lecture	Guest Lecture	
11		6	Start-up and Stand-up programmes- SEZs and Industrial Corridors - Economic Reforms and their impact	Lecture	Assignment	
12		6	Economic initiatives by government of India during COVID - Atmanirbhar Bharat package. Indian Tax System and Recent changes	Lecture	G D	

		6	GST and its impact on Commerce and Industry – Centre, States financial relations- Recommendations of Recent Finance Commission	Lecture	Project Work	
13	SEPTEMBER	3	Public Expenditure and Public Debt -	Lecture	Quiz	
14		6	Fiscal Policy and Budgetary Trends-The basic characteristics of Andhra Pradesh economy after bifurcation in 2014 –	Lecture	Assignment	
15		6	Impact of bifurcation on the endowment of natural resources and state revenue- new challenges to industry and commerce - the new initiatives to develop infrastructure – Power and Transport	Lecture	Sliptest	
16		6	Information Technology and e-governance – Urbanization and smart cities	Lecture	G D	
		5	Skill development and employment –Social welfare programmes.	Lecture	Jam	

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NAME OF THE PAPER: STATISTICAL METHODS FOR ECONOMICS
Name of the Lecturer : K. SIVARAM

CLASS: II B.A. E.M

SEMESTER: - IV

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Co-Curricular Activity	Remark
01	JUNE	4	Introduction to Statistics – Definition, scope, importance and limitations of Statistics	Lecture	Assignment	
02		6	Primary and Secondary data- Census and Sampling techniques and their merits and demerits	Lecture	Slip Test	
03		6	Collection of data - Schedule and questionnaire – Frequency distribution – Tabulation		G D	
04		6	diagram and graphic presentation of data – Histogram, Frequency Polygon	Lecture		
05	JULY	4	Cumulative Frequency Curves - Bar Diagrams and Pie Diagram	Lecture	Assignment	
06		6	Measures of Central Tendency and Dispersion - Types of averages- Arithmetic Mean	Lecture	Seminar	
07		6	Geometric Mean, Harmonic Mean	Lecture	Quiz	
08		6	–Mode – Dispersion - Range, Quartile Deviation	Lecture	Jam	

		4	Mean Deviation	Lecture	Project Work	
10	AUGU ST	6	Standard Deviation- Coefficient of Variation	Lecture	Guest Lecture	
11		6	Correlation- Meaning, Definition and uses of Correlation- Types of Correlation	Lecture	Assignment	
12		6	Karl Pearson's Correlation coefficient	Lecture	G D	
		6	Spearman's Rank Correlation	Lecture	Project Work	
13	SEPTE MBER	3	Regression Equations	Lecture	Quiz	
14		6	utility of regression analysis – Demand forecasting	Lecture	Assignment	
15		6	Time Series Definition and components of Time Series	Lecture	Slip test	
16		6	Measurement of Time Series – Moving Average and the Least Squares Method	Lecture	G D	
		5	Index Numbers - Concepts of Price and Quantity Relatives – Laspeyers Index Numbers	Lecture	Jam	
17	OCT	6	Paasche's and Fisher's Ideal Index Numbers – Uses and Limitations of Index Numbers.	Lecture		

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PAPER - V
NAME OF THE PAPER: INDIAN ECONOMY
Name of the Lecturer: K.SIVARAM

SEMESTER :- V

CLASS;III B.A.E.M

S.N o	Month & Week	No. Of Hours	Topic	Curricular Activity	Co-Curricular Activity	Remark
01	SEP	5	Concepts of Development Meaning and definitions of Economic Growth and Development	Lecture	Slip test	
02		5	Measures of Economic Development GNP,PCI,PQLI and HDI		Assignment	
03		5	Factors influencing Economic Development	Lecture	Assignment	
04		5	Concept of Sustainable Development	Lecture	Slip test	
05	OCT	5	Balanced and Unbalanced Growth Theories	Lecture	Assignment	

06		5	Choice of Techniques-Labour Intensive and Capital Intensive Methods	Lecture	Seminar	
07		5	Structure of the Indian Economy- Basic Features	Lecture	Quiz	
08		5	Natural Resources –Land Water and Forest Resources	Lecture	Jam	
09	NOV	5	Basic Demographic Features-Size and Growth of Population- Age and Sex Composition	Lecture	Project Work	
10		5	Rural and Urban Population –Occupational Distribution –Population Policy	Lecture	Guest Lecture	
11		5	National income in India- National income Estimates in India Trends in National Income Growth and structure in India	Lecture	Assignment	
12		5	Poverty- Causes and Consequences and Remedial Measures	Lecture	G D	
13	DEC	5	Inequalities and Unemployment Causes and Consequences	Lecture	Quiz	
14		5	Planning Economic Development-Meaning and Objectives of Economic Plan in India	Lecture	Assignment	
15		5	Past Five Year Plans in Brief	Lecture	Sliptest	
16		5	Current Five Year Plan- Meaning and Objectives of Economic Planning in India	Lecture	G D	
17	JAN	5	New Economic Policy –Liberalization , Privatization and Globalization in India	Lecture	Slip Test	
18		5	Inclusive Growth	Lecture	Student Seminar	

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ANNUAL CURRICULAR PLAN 2021-2022

NAME OF THE PAPER: ELEMENTS OF PUBLIC FINANCE (Paper-VI)

Name of the Lecturer : K.SIVARAM

SEMESTER :- V

CLASS;III B.A. E.M

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Co-Curricular Activity	Remarks
01	SEP	5	Nature and scope of public Finance-Distinction between Public and private finance	Lecture	Slip test	
02		5	Public Goods and Private Goods	Lecture	Slip test	
03		5	Principle of Maximum Social Advantage,	Lecture	Assignment	
05		5	Public Revenue- Concepts of Revenue Receipt and Non-revenue Receipt	Lecture	Seminar	

06	OCT	5	Classification Public Revenue	Lecture	Field Visit	
07		5	Tax System Structure and Reforms	Lecture	Quiz	
08		5	Public Expenditure-Scope of public expenditure	Lecture	Jam	
09	NOV	5	Causes of growth of Public Expenditure	Lecture	Project Work	
10		5	Wagner's Law	Lecture	Guest Lecture	
11		5	Classification of Public Expenditure	Lecture	Assignment	
12		5	Canons of Public Expenditure Importance of Public Expenditure in Developing Countries	Lecture	G D	
13	DEC	5	Effects of Public Expenditure on Production , Distribution	Lecture	Quiz	
14		5	Budget Deficits	Lecture	Assignment	
15		5	Public Debt-Internal and External Debt, Burden of public debt	Lecture	Slip test	
16		5	Redemption of Public Debt; Role of Public Debt with special reference to developing countries	Lecture	G D	
17	JAN	5	REVISION	Lecture	Slip Test	
18		5	REVISION	Lecture	Student Seminar	

GOVERNMENT DEGREE COLLEGE FOR MEN, KADAPA(AUTONOMOUS)

DEPARTMENT OF ECONOMICS

ANNUL CURRICULAR PLAN 2021-2022

NAME OF THE PAPER: AGRICULTURAL ECONOMICS

Name of the Lecturer: K.SIVARAM

SEMESTER :- VI

CLASS;III B.A. (E.M)

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Cocurricular Activity	Remark
01	JAN	5	Nature And Scope Of Economics	Lecture	Assignment	
02		5	Factors Affecting Agricultural Development, Technological Institutional and General	Lecture	Student Seminar	
03		5	Interdependence Between Agriculture And Industry Concept Of Production Function	Lecture	Assignment	
04		5	Input-Output Product Relationship In Farm Production	Lecture	Assignment	

05	FEB	5	Growth and Productivity Trends in Indian Agriculture	Lecture	Seminar	
06		5	With Special Reference to Andhra Pradesh	Lecture	Quiz	
07		5	Agrarian Reforms	Lecture	Jam	
08	MAR	5	And Their Role In Economic Development	Lecture	Project Work	
09		5	Systems Of Farming	Lecture	Guest Lecture	
10		5	Farm Size And Productivity Relationship In Indian Agriculture	Lecture	Assignment	
11		5	With Special Reference to Andhra Pradesh	Lecture	G D	
12	APR	5	New Agriculture Strategy Green Revolution And Its Impact	Lecture	Quiz	
13		5	Emerging Trends in Production, Processing	Lecture	Assignment	
14		5	Trends in Marketing And Exports -Policy Control and Regulations Relating to Industrial Sector With Special Reference to Agro Industry	Lecture	Slip test	
15		5	Agri Business Enterprises	Lecture	G D	
16	MAY	5	REVISION	Lecture	Slip Test	
17		5	END SEMESTER EXAMINATIONS	Lecture	Student Seminar	

GOVERNMENT DEGREE COLLEGE FOR MEN, KADAPA(AUTONOMOUS)

DEPARTMENT OF ECONOMICS

ANNUAL CURRICULAR PLAN 2021-2022

NAME OF THE PAPER: Agribusiness Environment in Andhra Pradesh

Name of the Lecturer: K.SIVARAM

SEMESTER :- VI

CLASS;III B.A.(E.M)

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Cocurricular Activiy	Remark
01	JAN	5	Role of agriculture in development process in Andhra Pradesh vis-a-vis other developed states	Lecture	Assignment	
02		5	Economy wide effects of agriculture in Andhra Pradesh through trickle down effects	Lecture	Student Seminar	
03		5	Back ward and forward linkages of agriculture with rest of economy	Lecture	Assignment	
04		5	Agricultural finance-importance in modern Agriculture	Lecture	Sliptest	



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05	FEB	5	Performance of agricultural finance in Andhra Pradesh, Problems of agricultural finance	Lecture	Assignment	
06		5	Inter linkages of agricultural credit and other input markets and product markets	Lecture	Seminar	
07		5	Dynamics of agriculture-crop (horticulture, field crops), sector-livestock (poultry dairy and fisheries) sector and inter linkages among the sectors	Lecture	Quiz	
08		5	Growth performance of major agricultural commodities in Andhra Pradesh	Lecture	Field Visit	
09	MAR	5	production and processing trends in exports and imports of major agricultural commodities	Lecture	Project Work	
10		5	Agribusiness sector in Andhra Pradesh- Salient features, and constraints	Lecture	Guest Lecture	
11		5	Sub sectors of agribusiness-input sector,	Lecture	Assignment	
12		5	production sector and processing sector	Lecture	G D	
13	APR	5	Marketing policy. structure of agri markets	Lecture	Quiz	
14		5	Regulated markets its need and activities	Lecture	Assignment	
15		5	Structure of APMC act	Lecture	Slip test	
16		5	Market legislations	Lecture	G D	
17	MAY	5	- Role of Farmer Groups in the marketing of Agricultural Produce	Lecture	Slip Test	
18		5	REVISION END SEMESTER EXAMINATIONS	Lecture	Student Seminar	

GOVERNMENT DEGREE COLLEGE FOR MEN,KADAPA(AUTONOMOUS)

DEPARTMENT OF ECONOMICS

ANNUAL CURRICULAR PLAN 2021-2022

NAME OF THE PAPER: Agricultural Output Marketing

Name of the Lecturer: K.SIVARAM

SEMESTER :- VI

CLASS;III B.A.E.M

S.N o	Month & Week	No. Of Hours	Topic	Curricular Activity	Cocurricular Activity	Remark
01		5	Structure and Model of Agri-Marketing Organizations with functions	Lecture	Assignment	

02	JAN	5	Functions of intermediaries Marketing Practices in Primary and secondary	Lecture	Student Seminar	
03		5	and terminal market, Regulated markets,	Lecture	Assignment	
04		5	co-operative marketing Marketing costs and margins, Marketing Finance.	Lecture	Slip test	
05	FEB	5	Marketing Structure of Major agricultural commodities	Lecture	Assignment	
06		5	food grains: Rice, and Maize Cash Crops; Cotton, Oil Seeds, Vegetables and	Lecture	Seminar	
07		5	Fruits, Milk, Meat and Poultry products	Lecture	Quiz	
08	MAR	5	Problems and Challenges in Agriculture Marketing Market Yards	Lecture	Field Visit	
09		5	Support prices Rural Warehousing State Intervention in Agricultural Marketing	Lecture	Project Work	
10		5	Role of Various agencies- Andhra Pradesh Agro, MARKEED	Lecture	Guest Lecture	
11		5	State Department, and FCI, Tobacco Board, Cotton Corporation	Lecture	Assignment	
12		5	Their impact on market efficiency- Agriculture Price Commission	Lecture	G D	
13		5	Inter-regional and international trade in agriculture	Lecture	Quiz	
14	APR	5	emerging scenario of international trade in agricultural commodities- concept of terms of trade	Lecture	Assignment	
15		5	and balance of payments, WTO Indian agriculture	Lecture	Slip test	
16		5	with special reference to Andhra Pradesh	Lecture	G D	
17	MAY	5	REVISION END SEMESTER EXAMINATIONS	Lecture	Slip Test	




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GOVERNMENT DEGREE COLLEGE FOR MEN,KADAPA(AUTONOMOUS)
DEPARTMENT OF ECONOMICS
ANNUAL CURRICULAR PLAN 2021-2022
NAME OF THE PAPER: Agricultural Input Marketing
Name of the Lecturer : K.SIVARAM

SEMESTER :- VI

CLASS;III B.A.(E.M)

S.No	Month & Week	No. Of Hours	Topic	Curricular Activity	Cocurricular Activity	Remarks
01	JAN	5	Agri input marketing concepts and techniques	Lecture	Assignment	
02		5	Distinctive Features of Input Marketing Distribution Channels Of Agri	Lecture	Seminar	
03		5	Private,Govt,Cooperative and Joint Sector Agri Inputs Promotional programs	Lecture	Assignment	
04	FEB	5	Issues in Seed Marketing Determinants Of Seed Demand Private Sector Contribution	Lecture	Slip test	
05		5	Public Sector support to Private Sector Distinctive Features of Seed Marketing -	Lecture	Assignment	
06		5	Vis-à-vis other inputs Seed Industry –Strengths and Weaknesses	Lecture	Seminar	
07		5	Fertilizer Industry Scenario -Role Of, Public ,Private, Co-Operative And Join Sector In Fertilizers Industry	Lecture	Quiz	
08	MAR	5	Fertilizers Production,consumption,and imports of fertilizers Fertilizer Marketing Characteristics- Bio fertilizers-Their Role and Scope	Lecture	Guest Lecture	
09		5	Major constraints involved in production level-marketing, Field Level-Marketing network channels	Lecture	Project Work	
10		5	Pesticides industry		Field Visit	
11		5	Consumption-cropwise,areawise-Demand and Supply	Lecture	G D	
13	APR	5	IPM concept development	Lecture	Quiz	
14		5	Bio pesticides-scope and growth	Lecture	Assignment	
15		5	Agricultural mechanization- importance and future priorities	Lecture	Slip test	
16		5	Contribution of agricultural mechanization	Lecture	G D	
17	MAY	5	Need for development of machinery to suit local resource endowments	Lecture	Slip Test	
18		5	REVISION END SEMESTER EXAMINATIONS	Lecture	Student Seminar	



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**GOVT. COLLEGE FOR MEN (A) KADAPA
CURRICULAR FORMAT**

YEAR : 2021-22

GROUP: HISTORY, Ist B.A (T/M&EM)

SEMESTER: I

PAPER: I

NAME OF THE MODULE: HISTORY AND CULTURE OF INDIA (From Indus valley Civilization to 13th AD)

NO.HOURS/WEEK:05

TOTAL HOURS/CREDITS:90/4 CREDITS

Name of the Lecture: N.Sivaparvathi

S.NO	MONT H	WEE K	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY	REAMRKS
1	NOV	1 st	6	Bridge course- Importance to History-Definition			
		2 nd	6	Ancient Indian Civilization (from Circa 3000 BC to 6th BC) Indus valley civilization			
		3 rd	6	Salient Features: Vedic Age	Lecture	Map Reading Assignments	
		4 th	6	Society, Polity, Economy, Culture during early and later Vedic Period	Lecture	Slip Test	
2	DECEMBER	1 st	6	Ancient Indian History & Culture (6th Century BC to 2nd Century AD)	Lecture	Assignments	
		2 nd	6	Doctrines and Impact of Jainism and Buddhism	Lecture	Map Reading	
		3 rd	6	Mauryan Administration - Society, Economy, & Culture	Lecture	Map Reading	
		4 th	6	Ashoka's Dhamma, Kanishka's Contribution to Indian Culture	Lecture	Assignments	
3	JANUARY	1 st	6	History & Culture of South India (2nd Century BC to 8th century AD)	Lecture	Quiz	
		2 nd	6	Sangam Literature	Lecture	Group Discussion	
		3 rd	6	Administration -Society, Economy, & Culture Under Satavahanas	Lecture	JAM	
		4 th	6	Cultural Contribution of Pallavas	Lecture	Guest Lecture	
4	FEBRUARY	1 st	6	India from 3rd century AD to 8th century AD Administration - Society, Economy,	Lecture	Field visit	
		2 nd	6	Religion, Art, Literature and Science :& Technology under Guptas	Lecture	Slip Test	
		3 rd	6	Cultural Contribution of Harsha	Lecture	Student Seminar	
		4 th	6	Ara;b Conquest of Sind and its Impact	Lecture	Debate	
5	MARCH	1 st	6	History & Culture of South India (9th century AD to 13th century AD) Local Self Government of Cholas, AD Administration - Society, Economy and Culture under Kakatiys, Rudramadevi	Lecture	Student Seminar	

GOVT. COLLEGE FOR MEN (A) KADAPA

CURRICULAR FORMAT

YEAR : 2021-22

: GROUP: HISTORY, Ist B.A (T/M&EM)

SEMESTER: II

PAPER: II

NAME OF THE MODULE: MEDIEVAL INDIAN HISTORY AND CULTURE (1206 AD to 1764 AD)

NO.HOURS/WEEK:05

TOTAL HOURS/CREDITS:90/4 CREDITS

Name of the Lecture: N. Sivaparvathi

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
1	APR	1 st	6	Impact of Turkies invasions-BALBAN	Lecture	Map Reading	
		2 nd	6	Allauddhin Khilji – Md.Bin Tughlaq	Lecture	Assignments	
		3 rd	6	Administration, Society,Economy	Lecture	Map Reading	
		4 th	6	Religion and Cultural developments – under Delhi Sultanate (From 1206 1526AD)	Lecture	Student Seminar	
2	MAY	1 st	6	Impact of Islam on Indian Society and Culture	Lecture	Slip Test	
		2 nd	6	Bhakti Movements	Lecture	Project Work	
		3 rd	6	Administration, Society,Economy	Lecture	Map Reading &Debate	
		4 th	6	Religion and Cultural developments under Vijayanagara Rulers	Lecture	Guest Lecture	
3	JUN	1 st	6	Emergence of Moghal Empire - Babar	Lecture	Assignments	
		2 nd	6	Sure interregnum,expansion and consolidation of Mughal Empire	Lecture	Student Seminar	
		3 rd	6	Akbar, Jahangir	Lecture	Assignments	
		4 th	6	Shah jahan, Aurangazeb	Lecture	Quiz	
4	JUL	1 st	6	Administration, Society,Economy under Mughals	Lecture	Project Work	
		2 nd	6	Disintegration of Mughal Empire	Lecture	Student Seminar	
		3 rd	6	Rise of Marathas under Shivaji	Lecture	Group Discussion	
		4 th	6	India under Colonial Hegemony-Begning of European settlements	Lecture	Student Seminar	
5	AUG	4 th	6	Anglo- French struggle – Conquest of Bengal by EIC	Lecture	Student Seminar	

**GOVT. COLLEGE FOR MEN (A)KADAPA
CURRICULAR FORMAT**

YEAR : 2021-22

GROUP: HISTORY, 2nd B.A (T/M&EM)

SEMESTER:III

PAPER:III

NAME OF THE MODULE: HISTORY AND CULTURE OF INDIA (1526 TO 1757AD)

NO.HOURS/WEEK:05

TOTAL HOURS/CREDITS:90/4 CREDITS

Name of the Lecture: Dr.M.Ramesh

S.N O	MONT H	WEE K	NO. OF HOU RS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY	REMARK S
1	JUNE	1 st	6				
		2 nd	6				
		3 rd	6	Survey Of Sources – India On The Eve Of Babur	Lecture	Assignments	
		4 th	6	Establishment Of Moghal Rule	Lecture	Slip Test	
2	JULY	1 st	6	Babur And Humayun	Lecture	Assignments	
		2 nd	6	Sur Dynasty – Shershah Administration And Economy	Lecture	Map Reading &Quiz	
		3 rd	6	Consolidation And Expansion Of Mughal Empire 1556 To1707	Lecture	Map Reading &Debate	
		4 th	6	Akbar	Lecture	Assignments	
3	AUG	1 st	6	Jahangir – Nurjahan,	Lecture	Quiz	
		2 nd	6	Shajahan	Lecture	Group Discussion	
		3 rd	6	Aurangzeb	Lecture	JAM	
		4 th	6	Decline And Disintegration Of Mughal Empire	Lecture	Guest Lecture	
4	SEPT	1 st	6	Administration Under Mughals	Lecture	Field visit	
		2 nd	6	Social Composition	Lecture	Slip Test	
		3 rd	6	Ulema, Nobility, Peasantry, Artisans, Status Of Women	Lecture	Student Seminar	
		4 th	6	Economy – Agriculture	Lecture	Debate	
5	OCT	1 st	6	Industry – Trade And Commerce Technological	Lecture	Student Seminar	
		2 nd	6	Rise Of Regional Powers – Marathas	Lecture	Slip Test	
		3 rd	6	Sivaji – Expansion, Administration – Significance	Lecture	Map Reading& Assignments'	
		4 th	6	REVISION		Pre-Final	



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GOVT. COLLEGE FOR MEN (A)KADAPA
CURRICULAR FORMAT

YEAR : 2021-22:

SEMESTER:IV

NAME OF THE MODULE: HISTORY AND CULTURE OF INDIA (1757 TO 1950AD)

GROUP: HISTORY, 2nd B.A (T/M&EM)

PAPER:IV

NO.HOURS/WEEK:05

Name of the Lecture: Dr.M.Ramesh

TOTAL HOURS/CREDITS:90/4 CREDITS

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
1	NOV	1 st	6	Advent Of European Power	Lecture	Map Reading	
		2 nd	6	Carnatic Wars, Expansion And Consolidation of British Empire	Lecture	Assignments	
		3 rd	6	Warren Hastings And Cornwallis	Lecture	Map Reading	
		4 th	6	Wars – Diplomacy – Subsidiary Alliance	Lecture	Student Seminar	
2	DEC	1 st	6	Reforms Of Bentinck – Doctrine Of Lapse	Lecture	Slip Test	
		2 nd	6	1857 Revolt – Causes, Consequences And Nature	Lecture	Project Work	
		3 rd	6	1857 Revolt – Causes, Consequences And Nature	Lecture	Map Reading & Debate	
		4 th	6	Factors For Social Change – Religious –	Lecture	Guest Lecture	
3	JAN	1 st	6	Socio Reform Movements	Lecture	Assignments	
		2 nd	6	Self-Respect Movement; Jyotirao Phule, Dr.B.R.Ambedkar	Lecture	Student Seminar	
		3 rd	6	Indian National Movement: Factors For The Growth Of National Consciousness	Lecture	Assignments	
		4 th	6	Birth Of National Congress	Lecture	Quiz	
4	FEB	1 st	6	Three Phases Of Freedom Struggle	Lecture	Project Work	
		2 nd	6	Three Phases Of Freedom Struggle	Lecture	Student Seminar	
		3 rd	6	Three Phases Of Freedom Struggle	Lecture	Group Discussion	
		4 th		Three Phases Of Freedom Struggle	Lecture	Field Visit	
5	MAR	1 st	6	Emergence Of Communal Trends	Lecture	Assignments	
		2 nd	6	Partition Of India Integration Of Princely States	Lecture	Map Reading	
		3 rd	6	Evolution Of Modern India – Jawaharlal Nehru.	Lecture	Quiz & Slip Test	
		4 th	6	REVISION		Pre-Final	



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**GOVT. COLLEGE FOR MEN (A)KADAPA
CURRICULAR FORMAT**

YEAR : 2021-22:

GROUP: HISTORY, 3rd B.A (T/M&EM)

SEMESTER:V

PAPER:V

NAME OF THE MODULE HISTORY OF MODERN WORLD (1453-1945)

NO.HOURS/WEEK:05

TOTAL HOURS/CREDITS:90/4 CREDITS.

Name of the Lecture: Dr.M.Ramesh

S.N O	MONT H	WEE K	NO. OF HOU RS	TOPIC	CURRICUL AR ACTIVITY	CO- CURRICULAR ACTIVITY	REAMR KS
1	JUNE	1 st	6				
		2 nd	6				
		3 rd	6	The Renaissance Movement – Geographical discoveries –	Lecture	Map Reading Assignments	
		4 th	6	Mercantilism - Emergence of Nation States	Lecture	Assignments & Student Seminar	
2	JULY	1 st	6	Age of Revolutions	Lecture	Debate	
		2 nd	6	Glorious Revolution	Lecture	Map Reading	
		3 rd	6	French Revolution	Lecture	Map Reading	
		4 th	6	American Revolution	Lecture	Map Reading	
3	AUG	1 st	6	Industrial Revolution	Lecture	Assignments	
		2 nd	6	Capitalism	Lecture	Student Seminar & Quiz	
		3 rd	6	Unification of Germany and Italy	Lecture	Map Reading & Debate	
		4 th	6	Unification of Germany and Italy	Lecture	Map Reading & Group Discussion	
4	SEPT	1 st	6	World War I – Causes- Results	Lecture	Map Reading & Field Visit	
		2 nd	6	League of Nations	Lecture	Assignments	
		3 rd	6	Communist Revolution in Russia	Lecture	Student Seminar	
		4 th	6	Fascism-Nazism	Lecture	Guest Lecture	
5	OCT	1 st	6	Mussolini – Hitler	Lecture	Quiz	
		2 nd	6	World War II – Causes – Results	Lecture	Map Reading	
		3 rd	6	U.N.O.	Lecture	Assignments	
		4 th	6	REVISION	Lecture	Pre-Final	




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**GOVT. COLLEGE FOR MEN (A)KADAPA
CURRICULAR FORMAT**

YEAR : 2021-22

SEMESTER:V

NAME OF THE MODULE- HISTORY OF SOUTH INDIA (UPIO 1565 AD)

GROUP: HISTORY, 3rd B.A (T/M&EM)

PAPER:VI - ELECTIVE

NO.HOURS/WEEK:05

TOTAL HOURS/CREDITS:90/3 CREDITS.

Name of the Lecture: N.Sivaparvathi

S.N O	MONT H	WEE K	NO. OF HOU RS	TOPIC	CURRICUL AR ACTIVITY	CO- CURRICULAR ACTIVITY	REAMR KS
1	JUNE	1 st	4				
		2 nd	4				
		3 rd	6	Geographical factors of South India- Sources of South India	Lecture	Assignments	
		4 th	4	Brief History South India- Satavahanas-Ikshvakus	Lecture	Assignments & Student Seminar	
2	JULY	1 st	4	Pallavas – Cholas Administration	Lecture	Debate	
		2 nd	4	Chalukyas-Easter&Badami Chalukyas	Lecture	Quiz	
		3 rd	4	Socio, Political, Economic Conditions	Lecture	Assignment	
		4 th	4	Religion, Cultural Conditions of Chalukyas	Lecture	Slip Test	
3	AUG	1 st	4	Remaining Dynasties-Kadambas	Lecture	Assignments	
		2 nd	4	Rastrakutas-Administration	Lecture	Student Seminar& Quiz	
		3 rd	4	Vishnukundis	Lecture	Map Reading& Debate	
		4 th	4	Hoyasalas	Lecture	Map Reading& Group Discussion	
4	SEPT	1 st	4	Kakatiyas of Warangal	Lecture	Map Reading& Field Visit	
		2 nd	4	Polity, Socio, Economic, Tank Irrigation	Lecture	Assignments	
		3 rd	4	Religion and Cultural Conditions of Kakatiyas	Lecture	Student Seminar	
		4 th	4	Musunuri Nayaks-Reddy Dynasty	Lecture	Guest Lecture	
5	OCT	1 st	4	Establishment of Vijayanagara Dynasty	Lecture	Quiz	
		2 nd	4	Srikrishnadevaraya	Lecture	Map Reading	
		3 rd	4	Glory of Vijayanagara Dynasty	Lecture	Assignments	
		4 th	4	REVISION	Lecture	Pre-Final	




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**GOVT. COLLEGE FOR MEN (A)KADAPA
CURRICULAR FORMAT**

YEAR : 2021-22

GROUP: HISTORY, 3rd B.A (T/M&EM)

SEMESTER:VI

PAPER:VII

NAME OF THE MODULE: HISTORY AND CULTURE OF ANDHRA DESA (1600 TO 1956 AD)

NO.HOURS/WEEK:05

TOTAL HOURS/CREDITS:90/4 CREDITS

Name of the Lecture: Dr.M.Ramesh

S.N O	MONT H	WEE K	NO. OF HOU RS	TOPIC	CURRICUL AR ACTIVTY	CO- CURRICULAR ACTIVITY	REAMR KS
1	NOV	1 st	6	Downfall of the Vijayanagara – Rise of Qutubshahis	Lecture	Map Reading Assignments	
		2 nd	6	Qutubshahis- Polity – Socio, Economic	Lecture	Assignments & Student Seminar	
		3 rd	6	Qutubshahis- Religion, Art and Architecture	Lecture	Map Reading & Debate	
		4 th	6	Emergence of East India Company over Andhra	Lecture	Map Reading	
2	DEC	1 st	6	Emergence of East India Company over Andhra	Lecture	Map Reading & Project Work	
		2 nd	6	Carnatic Wars – Northern Circars	Lecture	Map Reading	
		3 rd	6	– Ceded Districts	Lecture	Assignments	
		4 th	6	Impact of Company Rule – Land and Revenue	Lecture	Student Seminar & Quiz	
3	JAN	1 st	6	Impact of Company Rule – Land and Revenue	Lecture	Debate	
		2 nd	6	Munro- Brown – Cotton	Lecture	Group Discussion	
		3 rd	6	1857 Revolt – Impact on Andhra	Lecture	Map Reading & Quiz	
		4 th	6	Freedom Movement in Andhra – 1885 to 1947	Lecture	Assignments & JAM	
4	FEB	1 st	6	Freedom Movement in Andhra – 1885 to 1947	Lecture	Guest Lecture	
		2 nd	6	Freedom Movement in Andhra – 1885 to 1947	Lecture	Map Reading Assignments	
		3 rd	6	Freedom Movement in Andhra – 1885 to 1947	Lecture	Assignments & Student Seminar	
		4 th		Freedom Movement in Andhra – 1885 to 1947	Lecture	Debate	
5	MAR	1 st	6	Formation of Andhra State and Andhra Pradesh	Lecture	Map Reading	
		2 nd	6	Formation of Andhra State and Andhra Pradesh	Lecture	Field Visit	
		3 rd	6	Consequences	Lecture	Assignments & Student Seminar	
		4 th	6	REVISION	Lecture	Pre-Final	

**GOVT. COLLEGE FOR MEN (A)KADAPA
CURRICULAR FORMAT**

YEAR : 2021-22

GROUP: HISTORY, 3rd B.A (T/M&EM)

SEMESTER:VI

PAPER:VIII - ELECTIVE

NAME OF THE MODULE: CULTURAL TOURISM IN ANDHRA PRADESH

NO.HOURS/WEEK:05

TOTAL HOURS/CREDITS:90/4 CREDITS

Name of the Lecture: N.Sivaparthi

S.N O	MONT H	WEE K	NO. OF HOU R4	TOPIC	CURRICUL AR ACTIVITY	CO- CURRICULAR ACTIVITY	REAMR KS
1	NOV	1 st	4	Cultural Tourism –Introduction	Lecture	Map Reading Assignments	
		2 nd	4	Evolution of Tourism in India & Andhra Pradesh	Lecture	Assignments &Student Seminar	
		3 rd	4	Concept of Tourism – Definitions	Lecture	Map Reading& Debate	
		4 th	4	Tourists & Excursionists	Lecture	Map Reading	
2	DEC	1 st	4	Differenct Types of Tourisms – International & National Tourism	Lecture	Map Reading& ProjectWork	
		2 nd	4	Health Tourism & Sports Tourism	Lecture	Map Reading	
		3 rd	4	Adventure Tourism	Lecture	Assignments	
		4 th	4	Recreation Tourism	Lecture	Student Seminar& Quiz	
3	JAN	1 st	4	Important Tourist Destinations in A.P	Lecture	Debate	
		2 nd	4	Temple Tourism Or Pilgrimage Tourism	Lecture	Group Discussion	
		3 rd	4	Fort Tourism	Lecture	Map Reading &Quiz	
		4 th	4	Caves Tourism – Belum Caves-Burra Caves	Lecture	Assignments &JAM	
4	FEB	1 st	4	Cultural Tourism – Fairs & Festivals	Lecture	Guest Lecture	
		2 nd	4	Kottappa Konda- Ankapalli-Jathra	Lecture	Map Reading Assignments	
		3 rd	4	Chengallamma Jathra- Gangamma- Jathra –Tirupati	Lecture	Assignments &Student Seminar	
		4 th		Handicrafts in Andhra Pradesh	Lecture	Debate	
5	MAR	1 st	4	Planning & Development of Tourism	Lecture	Map Reading	
		2 nd	4	Facilities Managements – Accommodations	Lecture	Field Visit	
		3 rd	4	Transport – Guides – Escorts in Tourism	Lecture	Assignments &Student Seminar	
		4 th	4	REVISION	Lecture	Pre-Final	



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GOVT. COLLEGE FOR MEN (A)KADAPA
CURRICULAR FORMAT

YEAR : 2021-22:

SEMESTER:III

GROUP: HISTORY, 2nd B.A (T/M&EM)

PAPER:III

NAME OF THE MODULE: **HISTORY AND CULTURE OF INDIA (1526 TO 1757AD)**

NO.HOURS/WEEK:05

TOTAL HOURS/CREDITS:90/4 CREDITS

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
1	NOV	1 st		Introduction	Lecture		
		2 nd		Model Question Papers	Lecture		
		3 rd	5	Survey Of Sources – India On The Eve Of Babur	Lecture	Assignments	
		4 th	5	Establishment Of Moghal Rule	Lecture	Slip Test	
2	DEC	1 st		Babur And Humayun	Lecture	Assignments	
		2 nd	5	Sur Dynasty – Shershah Administration And Economy	Lecture	Map Reading & Quiz	
		3 rd	5	Consolidation And Expansion Of Mughal Empire 1556 To 1707	Lecture	Map Reading & Debate	
		4 th	5	Akbar	Lecture	Assignments	
3	JAN	1 st	5	Jahangir – Nurjahan,	Lecture	Quiz	
		2 nd	5	Shajahan	Lecture	Group Discussion	
		3 rd	5	Aurangzeb	Lecture	JAM	
		4 th	5	Decline And Disintegration Of Mughal Empire	Lecture	Guest Lecture	
4	FEB	1 st	5	Administration Under Mughals	Lecture	Field visit	
		2 nd	5	Social Composition	Lecture	Slip Test	
		3 rd	5	Ulema, Nobility, Peasantry, Artisans, Status Of Women	Lecture	Student Seminar	
		4 th	5	Economy – Agriculture	Lecture	Debate	
5	MAR	1 st	5	Industry – Trade And Commerce Technological	Lecture	Student Seminar	
		2 nd	5	Rise Of Regional Powers – Marathas	Lecture	Slip Test	
		3 rd	5	Sivaji – Expansion, Administration – Significance	Lecture	Map Reading & Assignments	
		4 th	5	REVISION		Pre-Final	



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CURRICULAR FORMAT

YEAR : 2021-22

SEMESTER:IV

NAME OF THE MODULE:

GROUP: HISTORY, 2nd B.A (T/M&EM)

PAPER:IV

HISTORY AND CULTURE OF INDIA (1757 TO 1950AD)

NO.HOURS/WEEK:05

TOTAL HOURS/CREDITS:90/4 CREDITS

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
1	APR	1 st	5	Advent Of European Power	Lecture	Map Reading	
		2 nd	5	Carnatic Wars, Expansion And Consolidation of British Empire	Lecture	Assignments	
		3 rd	5	Warren Hastings And Cornwallis	Lecture	Map Reading	
		4 th	5	Wars – Diplomacy – Subsidiary Alliance	Lecture	Student Seminar	
2	MAY	1 st	5	Reforms Of Bentinck – Doctrine Of Lapse	Lecture	Slip Test	
		2 nd	5	1857 Revolt – Causes, Consequences And Nature	Lecture	Project Work	
		3 rd	5	1857 Revolt – Causes, Consequences And Nature	Lecture	Map Reading & Debate	
		4 th	5	Factors For Social Change – Religious –	Lecture	Guest Lecture	
3	JUNE	1 st	5	Socio Reform Movements	Lecture	Assignments	
		2 nd	5	Self-Respect Movement; Jyotirao Phule, Dr.B.R.Ambedkar	Lecture	Student Seminar	
		3 rd	5	Indian National Movement: Factors For The Growth Of National Consciousness	Lecture	Assignments	
		4 th	5	Birth Of National Congress	Lecture	Quiz	
4	JULY	1 st	5	Three Phases Of Freedom Struggle	Lecture	Project Work	
		2 nd	5	Three Phases Of Freedom Struggle	Lecture	Student Seminar	
		3 rd	5	Three Phases Of Freedom Struggle	Lecture	Group Discussion	
		4 th	5	Three Phases Of Freedom Struggle	Lecture	Field Visit	
5	AUG	1 st	5	Emergence Of Communal Trends	Lecture	Assignments	
		2 nd	5	Partition Of India Integration Of Princely States	Lecture	Map Reading	
		3 rd	5	Evolution Of Modern India – Jawaharlal Nehru.	Lecture	Quiz & Slip Test	
		4 th	5	REVISION		Pre-Final	




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GOVT. COLLEGE FOR MEN (A)KADAPA
CURRICULAR FORMAT

YEAR : 2021-22

SEMESTER:V

NAME OF THE MODULE:

GROUP: HISTORY, 3rd B.A (T/M&EM)

PAPER:V

HISTORY OF MODERN WORLD (1453-1945)

NO.HOURS/WEEK:05

TOTAL HOURS/CREDITS:90/4 CREDITS.

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
1	SEPT	1 st		Introduction	Lecture		
		2 nd		Model Question paper	Lecture		
		3 rd	5	The Renaissance Movement – Geographical discoveries –	Lecture	Map Reading Assignments	
		4 th	5	Mercantilism - Emergence of Nation States	Lecture	Assignments & Student Seminar	
2	OCT	1 st	5	Age of Revolutions	Lecture	Debate	
		2 nd	5	Glorious Revolution	Lecture	Map Reading	
		3 rd	5	French Revolution	Lecture	Map Reading	
		4 th	5	American Revolution	Lecture	Map Reading	
3	NOV	1 st	5	Industrial Revolution	Lecture	Assignments	
		2 nd	5	Capitalism	Lecture	Student Seminar & Quiz	
		3 rd	5	Unification of Germany and Italy	Lecture	Map Reading & Debate	
		4 th	5	Unification of Germany and Italy	Lecture	Map Reading & Group Discussion	
4	DEC	1 st	5	World War I – Causes- Results	Lecture	Map Reading & Field Visit	
		2 nd	5	League of Nations	Lecture	Assignments	
		3 rd	5	Communist Revolution in Russia	Lecture	Student Seminar	
		4 th	5	Fascism-Nazism	Lecture	Guest Lecture	
5	JAN	1 st	5	Mussolini – Hitler	Lecture	Quiz	
		2 nd	5	World War II – Causes – Results	Lecture	Map Reading	
		3 rd	5	U.N.O.	Lecture	Assignments	
		4 th	5	REVISION	Lecture	Pre-Final	




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CURRICULAR FORMAT

YEAR : 2021-22

GROUP: HISTORY, 3rd B.A (T/M&EM)

SEMESTER:VI

PAPER:VII

NAME OF THE MODULE: HISTORY AND CULTURE OF ANDHRA DESA (1600 TO 1956 AD)

NO.HOURS/WEEK:05

TOTAL HOURS/CREDITS:90/4 CREDITS

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
1	JAN	1 st	5	Downfall of the Vijayanagara – Rise of Qutubshahis	Lecture	Map Reading Assignments	
		2 nd	5	Qutubshahis- Polity – Socio, Economic	Lecture	Assignments & Student Seminar	
		3 rd	5	Qutubshahis- Religion, Art and Architecture	Lecture	Map Reading & Debate	
		4 th	5	Emergence of East India Company over Andhra	Lecture	Map Reading	
2	FEB	1 st	5	Emergence of East India Company over Andhra	Lecture	Map Reading & Project Work	
		2 nd	5	Carnatic Wars – Northern Circars	Lecture	Map Reading	
		3 rd	5	– Ceded Districts	Lecture	Assignments	
		4 th	5	Impact of Company Rule – Land and Revenue	Lecture	Student Seminar & Quiz	
3	MAR	1 st	5	Impact of Company Rule – Land and Revenue	Lecture	Debate	
		2 nd	5	Munro- Brown – Cotton	Lecture	Group Discussion	
		3 rd	5	1857 Revolt – Impact on Andhra	Lecture	Map Reading & Quiz	
		4 th	5	Freedom Movement in Andhra – 1885 to 1947	Lecture	Assignments & JAM	
4	APR	1 st	5	Freedom Movement in Andhra – 1885 to 1947	Lecture	Guest Lecture	
		2 nd	5	Freedom Movement in Andhra – 1885 to 1947	Lecture	Map Reading Assignments	
		3 rd	5	Freedom Movement in Andhra – 1885 to 1947	Lecture	Assignments & Student Seminar	
		4 th	5	Freedom Movement in Andhra – 1885 to 1947	Lecture	Debate	
5	MAY	1 st	5	Formation of Andhra State and Andhra Pradesh	Lecture	Map Reading	
		2 nd	5	Formation of Andhra State and Andhra Pradesh	Lecture	Field Visit	
		3 rd	5	Consequences	Lecture	Assignments & Student Seminar	
		4 th	5	REVISION	Lecture	Pre-Final	



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GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: I

NAME OF THE LEACTUER: SRI K.CHAKRAVARTI GONDYALA

GROUP: I BA

PAPER: Introduction to Political Science

HOURS/WEEK: 6

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	NOV	4	5	Introduction to Political Sciences	Teaching		
2	DEC	1	5	Relations with allied Discipline (History, Economics, Philosophy & Sociology)	Teaching		
		2	5	Approaches to the Study of Political Science	Teaching	Group discussion	
		3	5	Definition of the State	Teaching	Slip test	
		4	5	Elements of the State	Teaching	Seminar	
3	JAN	1	5	Concepts of Modern State and Welfare State	Teaching	Group discussion	
		2	5	Introduction to Sovereignty			
		3	5	Pongal Holidays	Teaching		
		4	5	Features of Sovereignty ,Types of Sovereignty	Teaching	Quiz	
4	FEB	1	5	Austin Sovereignty	Teaching	Group discussion	
		2	5	Law - Features of Law	Teaching		
		3	5	Liberty – Types of Liberty	Teaching	Internal Exams	
		4	5	Equality- Types of Equality	Teaching	Seminar	
5	MAR	1	5	Important points of Law, Liberty & Equality, Classification of Rights	Teaching	Quiz	
		2	5	Meaning and Nature of Rights, Theories of Rights	Teaching		
		3	5	Revision			

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: II

NAME OF THE LEACTUER: SRI K.CHAKRAVARTI GONDYALA

GROUP: I BA

PAPER: Basic Organs of the Government

NO. HOURS/WEEK: 6

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	APRIL	2	5	Meaning, Definition, Horizon of Constitution Evaluation of Constitution	Teaching	Group discussion	
		3	5	Classification of the Constitution	Teaching	Seminar	
		4	5	Written and unwritten rigid and flexible	Teaching		
	MAY	1	5	Theory of Separation of Powers	Teaching		
		2	5	Legislature- Unicameral, Bicameral	Teaching	Internal Exams	
		3		Summer Vacation			
2	JUNE	2	5	Executive – Types, Power and Functions	Teaching	Seminar	
		3	5	Judiciary – Powers and Functions	Teaching		
		4	5	Unitary form of Government	Teaching	Group discussion	
3	JULY	1	5	Federal form of Government	Teaching	Seminar	
		2	5	Parliamentary form of Government	Teaching	Quiz	



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		3	5	Presidential form of Government	Teaching		
		4	5	Meaning, Definition, Significant Theories and Principles of Democracy	Teaching	Internal	
4	AUG	1	5	Types of Democracy, Merits and Demerits of Democracy	Teaching		
		2	5	Essential conditions for success of Democracy	Teaching	Group discussion	
		3	5	Meaning, Definition and Classification of Political Parties, Public opinion	Teaching	Internal Exams	
		4	5	Revision	Teaching		
5	SEP	1	5	Semester End Exams			

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: III

NAME OF THE LEACTUER: DR.P.HARI PRASAD

GROUP: II B.A

PAPER: Indian Government and Politics 1

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	NOV	4	5	The ideological legacy of the Indian National Movement on the Constituent Assembly	Teaching		
2	DEC	1	5	The Nature and composition of the Constitution Assembly	Teaching		
		2	5	The Significance of 1909, 1919 and 1935 Acts in framing of Indian Constitution.	Teaching	Group discussion	
		3	5	Preamble: Underlying values of the Indian Constitution, Sailable features of the Constition of India	Teaching	Slip test	
		4	5	Origin, growth of Fundamental Rights, Directive Principles of State Policy	Teaching	Seminar	
3	JAN	1	5	Comparision of Fundamental Rights with Diretive Principles of State Policy and Indian Federalism	Teaching	Group discussion	



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		2	5	Pongal Holidays			
		3	5	Unitary and Federal Features in the Indian Constitution,	Teaching	Internal Exams	
		4	5	Tension areas between Centre and State, Centre and State Relations	Teaching	Quiz	
4	FEB	1	5	Internal Exams	Teaching	Group discussion	
		2	5	The causes of ascendancy of the Executive over legislature and Judiciary,	Teaching		
		3	5	Major controversies regarding the amendments to the constitution	Teaching	Internal Exams	
		4	5	Nature and role of Higher Judiciary in India	Teaching	Seminar	
5	MAR	1	5	Discussion on Model Questions	Teaching	Quiz	
		2	5	Revision for Sem end Exams	Teaching		
		3	5	Revision for Sem end Exams			
		4		Semester End Exams			

**GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT**

YEAR: 2020-2021

SEMESTER: IV

NAME OF THE LEACTUER: DR.P.HARI PRASAD

GROUP: II B.A

PAPER: Indian Political Process

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	APRIL	2	5	Introduction, Composition, powers and functions of Indian Parliament	Teaching	Group discussion	
		3	5	President and Vice-President of India, Prime Minister of India	Teaching	Seminar	



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		4	5	Prime Minister of India	Teaching		
	MAY	1	5	Council of Ministers and Powers	Teaching		
		2	5	Composition of State Legislature	Teaching	Internal Exams	
		3		Summer Vacation			
2	JUNE	2	5	Evolution of Modernity in India	Teaching	Seminar	
		3	5	Evolution of Party system in India	Teaching		
		4	5	The ideology and social bases of major political parties	Teaching	Group discussion	
3	JULY	1	5	Determination of voting behaviour in India	Teaching	Seminar	
		2	5	Challenges to National Integration	Teaching	Quiz	
		3	5	Methods to achieve national integration	Teaching		
		4	5	Methods to achieve national integration	Teaching	Internal	
4	AUG	1	5	Local Self Government Institutions-Introduction	Teaching		
		2	5	73 rd Amendment Act	Teaching	Group discussion	
		3	5	74 th Amendment Act	Teaching	Internal Exams	
		4	5	Revision	Teaching		
5	SEP	1	5	Semester End Exams			




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GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: V

NAME OF THE LEACTUER: SRI K.CHAKRAVARTI GONDYALA

GROUP: I B.A

PAPER: Indian Political Thought

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	SEP	2	5	Introduction	Teaching		
		3	5	Ancient Indian Political Thought	Teaching		
		4	5	Sources and Features of Ancient Political Thought	Teaching	Quiz	
2	OCT	1	5	Social laws	Teaching		
		2	5	Dasara Holidays			
		3	5	Koutilya theory of state, Rammohan Roy, Pandit Rama Bai,	Teaching	Internal Exams	
		4	5	Dadabai Naoroji, Dadabai Naoroji – Drain theory and poverty	Teaching		
3	NOV	1	5	M.G.Ranade, M.G.Ranade – The Role of the state	Teaching	Slip test	
		2	5	V.D.Savarkar	Teaching	Group Discussion	
		3	5	V.D.Savarkar – Hindustva or Hindu Cultural Nationalism	Teaching	Internal Exams	
		4	5	Md. Iqbal	Teaching		
4	DEC	1	5	Md. Iqbal – Islamic Communatarian Nationalism	Teaching		

		2	5	Mahatma Gandhi Swaraj and Satyagraha Dr. B.R.Ambedkar Caste System	Teaching		
		3	5	Jawaharlal Nehru Democratic Socialism M.N.Roy	Teaching	Quiz	
		4	5	Revision	Teaching	Seminar	
5	JAN	1	5	Semester End Exams	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: V

NAME OF THE LEACTUER: DR.P.HARI PRASAD

GROUP: I B.A

PAPER: Principles of Public Administration

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	SEP	2	5	Meaning of Public Administration	Teaching		
		3	5	Nature of Public administration	Teaching		
		4	5	Scope of Public Administration	Teaching	Quiz	
2	OCT	1	5	Importance of Public Admn	Teaching		
		2	5	Dasara Holidays			
		3	5	Principles of organisation-introduction	Teaching	Internal Exams	
		4	5	Hierarchy, Span of Control	Teaching		



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3	NOV	1	5	Unity of Command	Teaching	Slip test	
		2	5	Decision Making, Communication	Teaching	Group Discussion	
		3	5	Coordination and Leadership, Chief Executive-Introduction	Teaching	Internal Exams	
		4	5	Types and functions of Chief Executive	Teaching		
4	DEC	1	5	Department -introduction	Teaching		
		2	5	Bases of Departmentalization, Training and types of Training	Teaching		
		3	5	Line and Staff Agencies, Budget and types of Budget	Teaching	Quiz	
		4	5	Revision	Teaching	Seminar	
5	JAN	1	5	Semester End Exams	Teaching		

**GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT**

YEAR: 2020-2021

SEMESTER: VI

NAME OF THE LEACTUER: SRI CHAKRAVARTHY GONDYALA

GROUP: I B.A

PAPER: Western Political Thought

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JAN	3	5	Introduction	Teaching		
		4	5	Social Features of city states	Teaching		
2	FEB	1	5	Plato – theory of forms	Teaching		

		2	5	Aristotle citizenship	Teaching	Group discussion	
		3	5	Aristotle State justice	Teaching	Seminar	
		4	5	St. Augustin	Teaching	Internal Exams	
3	MAR	1	5	St. Augustin earthly state	Teaching	Group discussion	
		2	5	Machiavelli		Slip Test	
		3	5	Machiavelli state craft	Teaching		
		4	5	Liberal thought	Teaching	Quiz	
4	APRIL	1	5	Thomos Hobbes – social contact	Teaching	Group discussion	
		2	5	John locke – social contact, Jermy Bentham – utilitarianism	Teaching		
		3	5	J.J.Rousseau social contact, Liberal Democratic thought,	Teaching	Seminar	
		4	5	John stuart mill – Individual liberty, Hegel Karl marx	Teaching	Internal Exams	
5	MAY	1	5	Revision	Teaching	Quiz	
		2	5	Semester End Exams			



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GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: I

NAME OF THE LEACTUER: SRI K.CHAKRAVARTI GONDYALA

GROUP: I BA

PAPER: Introduction to Political Science

HOURS/WEEK: 6

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	NOV	4	5	Introduction to Political Sciences	Teaching		
2	DEC	1	5	Relations with allied Discipline (History, Economics, Philosophy & Sociology)	Teaching		
		2	5	Approaches to the Study of Political Science	Teaching	Group discussion	
		3	5	Definition of the State	Teaching	Slip test	
		4	5	Elements of the State	Teaching	Seminar	
3	JAN	1	5	Concepts of Modern State and Welfare State	Teaching	Group discussion	
		2	5	Introduction to Sovereignty			
		3	5	Pongal Holidays	Teaching		
		4	5	Features of Sovereignty ,Types of Sovereignty	Teaching	Quiz	
4	FEB	1	5	Austin Sovereignty	Teaching	Group discussion	
		2	5	Law - Features of Law	Teaching		
		3	5	Liberty – Types of Liberty	Teaching	Internal Exams	
		4	5	Equality- Types of Equality	Teaching	Seminar	
5	MAR	1	5	Important points of Law, Liberty & Equality, Classification of Rights	Teaching	Quiz	

		2	5	Meaning and Nature of Rights, Theories of Rights	Teaching		
		3	5	Revision			
		4		Revision			

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: II

NAME OF THE LEACTUER: SRI K.CHAKRAVARTI GONDYALA

GROUP: I BA

PAPER: Basic Organs of the Government

NO. HOURS/WEEK: 6

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	APRIL	2	5	Meaning, Definition, Horizon of Constitution Evaluation of Constitution	Teaching	Group discussion	
		3	5	Classification of the Constitution	Teaching	Seminar	
		4	5	Written and unwritten rigid and flexible	Teaching		
	MAY	1	5	Theory of Separation of Powers	Teaching		
		2	5	Legislature- Unicameral, Bicameral	Teaching	Internal Exams	
		3		Summer Vacation			
2	JUNE	2	5	Executive – Types, Power and Functions	Teaching	Seminar	
		3	5	Judiciary – Powers and Functions	Teaching		
		4	5	Unitary form of Government	Teaching	Group discussion	

3	JULY	1	5	Federal form of Government	Teaching	Seminar	
		2	5	Parliamentary form of Government	Teaching	Quiz	
		3	5	Presidential form of Government	Teaching		
		4	5	Meaning, Definition, Significant Theories and Principles of Democracy	Teaching	Internal	
4	AUG	1	5	Types of Democracy, Merits and Demerits of Democracy	Teaching		
		2	5	Essential conditions for success of Democracy	Teaching	Group discussion	
		3	5	Meaning, Definition and Classification of Political Parties, Public opinion	Teaching	Internal Exams	
		4	5	Revision	Teaching		
5	SEP	1	5	Semester End Exams			

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: III

NAME OF THE LEACTUER: DR.P.HARI PRASAD

GROUP: II B.A

PAPER: Indian Government and Politics 1

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	NOV	4	5	The ideological legacy of the Indian National Movement on the Constituent Assembly	Teaching		
2	DEC	1	5	The Nature and composition of the Constitution Assembly	Teaching		
		2	5	The Significance of 1909, 1919 and 1935 Acts in framing of Indian Constitution.	Teaching	Group discussion	
		3	5	Preamble: Underlying values of the Indian Constitution, Sailer features of the Constition of India	Teaching	Slip test	




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		4	5	Origin, growth of Fundamental Rights, Directive Principles of State Policy	Teaching	Seminar	
3	JAN	1	5	Comparison of Fundamental Rights with Directive Principles of State Policy and Indian Federalism	Teaching	Group discussion	
		2	5	Pongal Holidays			
		3	5	Unitary and Federal Features in the Indian Constitution,	Teaching	Internal Exams	
		4	5	Tension areas between Centre and State, Centre and State Relations	Teaching	Quiz	
4	FEB	1	5	Internal Exams	Teaching	Group discussion	
		2	5	The causes of ascendancy of the Executive over legislature and Judiciary,	Teaching		
		3	5	Major controversies regarding the amendments to the constitution	Teaching	Internal Exams	
		4	5	Nature and role of Higher Judiciary in India	Teaching	Seminar	
5	MAR	1	5	Discussion on Model Questions	Teaching	Quiz	
		2	5	Revision for Sem end Exams	Teaching		
		3	5	Revision for Sem end Exams			
		4		Semester End Exams			

**GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT**

YEAR: 2020-2021

SEMESTER: IV

NAME OF THE LEACTUER: DR.P.HARI PRASAD

GROUP: II B.A

PAPER: Indian Political Process

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	APRIL	2	5	Introduction, Composition, powers and functions of Indian Parliament	Teaching	Group discussion	

		3	5	President and Vice-President of India, Prime Minister of India	Teaching	Seminar	
		4	5	Prime Minister of India	Teaching		
	MAY	1	5	Council of Ministers and Powers	Teaching		
		2	5	Composition of State Legislature	Teaching	Internal Exams	
		3		Summer Vacation			
2	JUNE	2	5	Evolution of Modernity in India	Teaching	Seminar	
		3	5	Evolution of Party system in India	Teaching		
		4	5	The ideology and social bases of major political parties	Teaching	Group discussion	
3	JULY	1	5	Determination of voting behaviour in India	Teaching	Seminar	
		2	5	Challenges to National Integration	Teaching	Quiz	
		3	5	Methods to achieve national integration	Teaching		
		4	5	Methods to achieve national integration	Teaching	Internal	
4	AUG	1	5	Local Self Government Institutions-Introduction	Teaching		
		2	5	73 rd Amendment Act	Teaching	Group discussion	
		3	5	74 th Amendment Act	Teaching	Internal Exams	
		4	5	Revision	Teaching		



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GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: V

NAME OF THE LEACTUER: SRI K.CHAKRAVARTI GONDYALA

GROUP: I B.A

PAPER: Indian Political Thought

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	SEP	2	5	Introduction	Teaching		
		3	5	Ancient Indian Political Thought	Teaching		
		4	5	Sources and Features of Ancient Political Thought	Teaching	Quiz	
2	OCT	1	5	Social laws	Teaching		
		2	5	Dasara Holidays			
		3	5	Koutilya theory of state, Rammohan Roy, Pandit Rama Bai,	Teaching	Internal Exams	
		4	5	Dadabai Naoroji, Dadabai Naoroji – Drain theory and poverty	Teaching		
3	NOV	1	5	M.G.Ranade, M.G.Ranade – The Role of the state	Teaching	Slip test	
		2	5	V.D.Savarkar	Teaching	Group Discussion	
		3	5	V.D.Savarkar – Hindustva or Hindu Cultural Nationalism	Teaching	Internal Exams	
		4	5	Md. Iqbal	Teaching		
4	DEC	1	5	Md. Iqbal – Islamic Communatarian Nationalism	Teaching		

		2	5	Mahatma Gandhi Swaraj and Satyagraha Dr. B.R.Ambedkar Caste System	Teaching		
		3	5	Jawaharlal Nehru Democratic Socialism M.N.Roy	Teaching	Quiz	
		4	5	Revision	Teaching	Seminar	
5	JAN	1	5	Semester End Exams	Teaching		

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: V

NAME OF THE LEACTUER: DR.P.HARI PRASAD

GROUP: I B.A

PAPER: Principles of Public Administration

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	SEP	2	5	Meaning of Public Administration	Teaching		
		3	5	Nature of Public administration	Teaching		
		4	5	Scope of Public Administration	Teaching	Quiz	
2	OCT	1	5	Importance of Public Admn	Teaching		
		2	5	Dasara Holidays			
		3	5	Principles of organisation-introduction	Teaching	Internal Exams	
		4	5	Hierarchy, Span of Control	Teaching		
3	NOV	1	5	Unity of Command	Teaching	Slip test	

		2	5	Decision Making, Communication	Teaching	Group Discussion	
		3	5	Coordination and Leadership, Chief Executive-Introduction	Teaching	Internal Exams	
		4	5	Types and functions of Chief Executive	Teaching		
4	DEC	1	5	Department -introduction	Teaching		
		2	5	Bases of Departmentalization, Training and types of Training	Teaching		
		3	5	Line and Staff Agencies, Budget and types of Budget	Teaching	Quiz	
		4	5	Revision	Teaching	Seminar	
5	JAN	1	5	Semester End Exams	Teaching		

**GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT**

YEAR: 2020-2021

SEMESTER: VI

NAME OF THE LEACTUER: SRI CHAKRAVARTHY GONDYALA

GROUP: I B.A

PAPER: Western Political Thought

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JAN	3	5	Introduction	Teaching		
		4	5	Social Features of city states	Teaching		
2	FEB	1	5	Plato – theory of forms	Teaching		
		2	5	Aristotle citizenship	Teaching	Group discussion	



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		3	5	Aristotle State justice	Teaching	Seminar	
		4	5	St. Augustin	Teaching	Internal Exams	
3	MAR	1	5	St. Augustin earthly state	Teaching	Group discussion	
		2	5	Machiavelli		Slip Test	
		3	5	Machiavelli state craft	Teaching		
		4	5	Liberal thought	Teaching	Quiz	
4	APRIL	1	5	Thomos Hobbes – social contact	Teaching	Group discussion	
		2	5	John locke – social contact, Jermy Bentham – utilitarianism	Teaching		
		3	5	J.J.Rousseau social contact, Liberal Democratic thought,	Teaching	Seminar	
		4	5	John stuart mill – Individual liberty, Hegel Karl marx	Teaching	Internal Exams	
5	MAY	1	5	Revision	Teaching	Quiz	
		2	5	Semester End Exams			

**GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT**

YEAR: 2021-2022

SEMESTER: VI (Elective VIII-A1)

NAME OF THE LEACTUER: DR.P.HARI PRASAD

GROUP: III B.A HPT

PAPER: International Relations

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JAN	3	5	Meaning, Nature and Scope of Internal Relations	Teaching		
		4	5	Balance of Power, National Interest	Teaching		
2	FEB	1	5	Collective Security, Diplomacy	Teaching		

		2	5	Idealism-Woodrow Wilson	Teaching	Group discussion	
		3	5	Classical Realism-Hans Morgenthau	Teaching	Seminar	
		4	5	Neo-realism-Kenneth Waltz	Teaching	Internal Exams	
3	MAR	1	5	Causes for the First World War	Teaching	Group discussion	
		2	5	Causes for the Second World War		Slip Test	
		3	5	Origin of First Cold War	Teaching		
		4	5	Rise and Fall of Détente	Teaching	Quiz	
4	APRIL	1	5	Origin and the End of Second Cold War	Teaching	Group discussion	
		2	5	The Role of UNO in the protection of International Peace	Teaching		
		3	5	Problems of the Third World: Struggle for New International Economic Order	Teaching	Seminar	
		4	5	Revision	Teaching	Internal Exams	
5	MAY	1	5	Revision	Teaching	Quiz	
		2	5	Semester End Exams			

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: VI (Elective VIII-A2)

NAME OF THE LEACTUER: DR.P.HARI PRASAD

GROUP: III B.A HPT

PAPER: Indian Foreign Policy

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JAN	3	5	Evolution of Indian Foreign Policy	Teaching		
		4	5	Determinants of Indian Foreign Policy	Teaching		

2	FEB	1	5	Continuity and change in Indian Foreign Policy	Teaching		
		2	5	The role of India in the Non-Alignment Movement	Teaching	Group discussion	
		3	5	Relevance of Non-Aligned Movement in the Contemporary World	Teaching	Seminar	
		4	5	Role of India In the UNO in protection of Internal Peace	Teaching	Internal Exams	
3	MAR	1	5	Role of India In the UNO in protection of Internal Peace	Teaching	Group discussion	
		2	5	Indo-China Relations Post-Cold Era		Slip Test	
		3	5	Indo-China Relations: Pre-Cold Era	Teaching		
		4	5	Indo-US Relation: Post-Cold Era	Teaching	Quiz	
4	APRIL	1	5	Indo-US Relation: Pre-Cold Era	Teaching	Group discussion	
		2	5	Indo-Pak Relations	Teaching		
		3	5	India's role in South Asian Association of Regional Cooperation	Teaching	Seminar	
		4	5	Revision	Teaching	Internal Exams	
5	MAY	1	5	Revision	Teaching	Quiz	
		2	5	Semester End Exams			



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GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: VI (Elective VIII-A3)

NAME OF THE LEACTUER: K.CHAKRAVARTI GONDYALA

GROUP: III B.A HPT

PAPER: Contemporary Global Issues

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JAN	3	5	Globalization,	Teaching		
		4	5	Factors responsible for Globalization	Teaching		
2	FEB	1	5	Globalization and developing countries	Teaching		
		2	5	UNCTAD	Teaching	Group discussion	
		3	5	IMF	Teaching	Seminar	
		4	5	World Bank	Teaching	Internal Exams	
3	MAR	1	5	SAARC and ASEAN	Teaching	Group discussion	
		2	5	Rise of Nation States		Slip Test	
		3	5	Challenges to National States	Teaching		
		4	5	Environmental Issues	Teaching	Quiz	
4	APRIL	1	5	Conferences for the protection of Environmental	Teaching	Group discussion	
		2	5	Terrorism	Teaching		
		3	5	New World Order	Teaching	Seminar	
		4	5	Revision	Teaching	Internal Exams	
5	MAY	1	5	Revision	Teaching	Quiz	
		2	5	Semester End Exams			

GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: VI (Elective VIII-A1)

NAME OF THE LEACTUER: DR.P.HARI PRASAD

GROUP: III B.A HPT

PAPER: International Relations

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JAN	3	5	Meaning, Nature and Scope of Internal Relations	Teaching		
		4	5	Balance of Power, National Interest	Teaching		
2	FEB	1	5	Collective Security, Diplomacy	Teaching		
		2	5	Idealism-Woodrow Wilson	Teaching	Group discussion	
		3	5	Classical Realism-Hans Morgenthau	Teaching	Seminar	
		4	5	Neo-realism-Kenneth Waltz	Teaching	Internal Exams	
3	MAR	1	5	Causes for the First World War	Teaching	Group discussion	
		2	5	Causes for the Second World War		Slip Test	
		3	5	Origin of First Cold War	Teaching		
		4	5	Rise and Fall of Détente	Teaching	Quiz	
4	APRIL	1	5	Origin and the End of Second Cold War	Teaching	Group discussion	
		2	5	The Role of UNO in the protection of International Peace	Teaching		
		3	5	Problems of the Third World: Struggle for New International Economic Order	Teaching	Seminar	
		4	5	Revision	Teaching	Internal Exams	
5	MAY	1	5	Revision	Teaching	Quiz	
		2	5	Semester End Exams			




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GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: VI (Elective VIII-A2)

NAME OF THE LEACTUER: DR.P.HARI PRASAD

GROUP: III B.A HPT

PAPER: Indian Foreign Policy

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JAN	3	5	Evolution of Indian Foreign Policy	Teaching		
		4	5	Determinants of Indian Foreign Policy	Teaching		
2	FEB	1	5	Continuity and change in Indian Foreign Policy	Teaching		
		2	5	The role of India in the Non-Alignment Movement	Teaching	Group discussion	
		3	5	Relevance of Non-Aligned Movement in the Contemporary World	Teaching	Seminar	
		4	5	Role of India In the UNO in protection of Internal Peace	Teaching	Internal Exams	
3	MAR	1	5	Role of India In the UNO in protection of Internal Peace	Teaching	Group discussion	
		2	5	Indo-China Relations Post-Cold Era		Slip Test	
		3	5	Indo-China Relations: Pre-Cold Era	Teaching		
		4	5	Indo-US Relation: Post-Cold Era	Teaching	Quiz	
4	APRIL	1	5	Indo-US Relation: Pre-Cold Era	Teaching	Group discussion	
		2	5	Indo-Pak Relations	Teaching		
		3	5	India's role in South Asian Association of Regional Cooperation	Teaching	Seminar	
		4	5	Revision	Teaching	Internal Exams	
5	MAY	1	5	Revision	Teaching	Quiz	




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GOVT. COLLEGE FOR MEN (A): KADAPA
CURRICULAR FORMAT

YEAR: 2021-2022

SEMESTER: VI (Elective VIII-A3)

NAME OF THE LEACTUER: K.CHAKRAVARTI GONDYALA

GROUP: III B.A HPT

PAPER: Contemporary Global Issues

NO. HOURS/WEEK: 5

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	JAN	3	5	Globalization,	Teaching		
		4	5	Factors responsible for Globalization	Teaching		
2	FEB	1	5	Globalization and developing countries	Teaching		
		2	5	UNCTAD	Teaching	Group discussion	
		3	5	IMF	Teaching	Seminar	
		4	5	World Bank	Teaching	Internal Exams	
3	MAR	1	5	SAARC and ASEAN	Teaching	Group discussion	
		2	5	Rise of Nation States		Slip Test	
		3	5	Challenges to National States	Teaching		
		4	5	Environmental Issues	Teaching	Quiz	
4	APRIL	1	5	Conferences for the protection of Environmental	Teaching	Group discussion	
		2	5	Terrorism	Teaching		
		3	5	New World Order	Teaching	Seminar	
		4	5	Revision	Teaching	Internal Exams	
5	MAY	1	5	Revision	Teaching	Quiz	
		2	5	Semester End Exams			



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PSYCHOLOGY - Teaching Plan

Paper I: Introduction to Psychology

Year: 2021-22

Semester: 1

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	June II	04	Introduction to Psychology	Lecture, PPT	-
2	June III	04	Schools of Psychology	Lecture & Demonstration	Assignment
3	June IV	04	Methods of Psychology	Lecture, PPT	Assignment
4	Jul I	04	Classification Nervous system.	Lecture, PPT	Seminar
5	Jul II	04	Structure of Neuron and Brain	Lecture, PPT	
6	Jul III	04	Autonomic nervous system.	Lecture, Discussion	
7	Jul IV	04	Function of endocrine nervous system	Lecture	
8	Aug I	04	Function of glands	Discussion	Assignment
9	Aug II	04	Attention	Lecture, PPT	Assignment
10	Aug III	04	Sensation	Lecture	Seminar
11	Aug IV	04	Perception	Lecture, Discussion	
12	Sep I	04	Motivation	Lecture	
13	Sep II	04	Theory of motivation	Discussion	Assignment
14	Sep III	04	Emotion	Discussion	
15	Sep IV	04	Theory of emotion	Lecture	

Government College for Men (Autonomous), Kadapa

Teaching Plan

Paper II: General Psychology

Year: 2021-22

No. of hour per week: 4

Semester: 2

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Oct IV	04	Theories of learning	Lecture, PPT	Assignment
2	Nov I	04	Roll of motivation	Discussion, PPT	Seminar
3	Nov II	04	Types of learning.	Lecture, PPT	-
4	Nov III	04	Memory and forgetting	Lecture	-
5	Dec I	04	Methods of improving memory	Lecture,	Assignment
6	Dec II	04	Thinking	Discussion	Assignment
7	Dec III	04	Problem solving	Discussion	
8	Dec IV	04	Creative Thinking	Lecture	
9	Jan I	04	States of consciousness	Lecture, PPT	
10	Jan III	04	Drug –Induced States of consciousness	Lecture	Assignment
11	Jan IV	04	Intelligent	Lecture, PPT	seminar
12	Feb I	04	Theories of Intelligence.	Discussion, PPT	Assignment
13	Feb II	04	Measurement of Intelligence.		-
14	Feb III	04	Factor of Intelligence.	Lecture, PPT	-
15	Feb IV	04	Types of Intelligence	Lecture	Assignment




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Government College for Men (Autonomous), Kadapa

Teaching Plan

Paper: Social Psychology-I

Year: 2021-22

Semester: 3

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Oct II	04	Nature and Scope of Social Psychology	Lecture, PPT	Seminar
2	Oct III	04	Methods of Social Psychology	Demonstration	Assignment
3	Nov I	04	Social Perception	Demonstration	Seminar
4	Nov II	04	Attribution	Lecture, PPT	
5	Nov III	04	Theories of Attribution	Lecture, PPT	Assignment
6	Nov IV	04	Fundamental of Attribution	Lecture, PPT	Seminar
7	Dec I	04	Communication	Lecture	
8	Dec II	04	Barriers of effective communication	Demonstration	Assignment
9	Dec III	04	Impression Formation	Lecture, PPT	
10	Dec IV	04	Attitudes	Lecture	Assignment
11	Jan I	04	Methods of Attitudes	Lecture, PPT	Seminar
12	Jan II	04	Bogardus method of social Distance	Lecture	Seminar
13	Jan III	04	Social Influence	Demonstration	Assignment
14	Jan IV	04	Definition of Social influence	Lecture, Drill	
15	Feb I	04	Different forms of social influence	Lecture, Drill	Seminar




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Teaching Plan

Paper III: Social Psychology-II

Year: 2021-22

Semester: 4

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Feb II	04	Prejudice	Discussion	-
2	Feb III	04	Nature and origin of Prejudice	Lecture	Assignment
3	Feb IV	04	Aggression	Lecture, PPT	Assignment
4	Mar I	04	Defination of Aggression	Lecture	
5	Mar II	04	Social factors	Lecture, PPT	Assignment
6	Mar III	04	Personal factors	Discussion	Seminar
7	Mar IV	04	Groups and Individuals	Discussion	Seminar
8	April I	04	Types of groups	Lecture	Assignment
9	April II	04	Leadership	Lecture	Assignment
10	April III	04	Definitions of leadership	Lecture, PPT	Seminar
11	April IV	04	Types of Leadership	Lecture	
12	May I	04	Democratic leaders	Lecture, PPT	Assignment
13	May II	04	Charismatic leaders	Lecture	
14	May III	04	Prosocial Behaviour –Helping others	Lecture, PPT	Assignment
15	May IV	04	Bystander effect	Lecture, PPT	Assignment




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Government College for Men (Autonomous), Kadapa

Teaching Plan

Paper IV: Educational Psychology

Year: 2021-22

Semester: 4

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Feb I	03	Introduction to Education psychology	Lecture	-
2	Feb II	03	Nature importance	Lecture	Seminar
3	Feb III	03	Scope of Importance	Demonstration	Assignment
4	Feb IV	03	Methods of educational psychology	Lecture, PPT	
5	Mar I	03	Learning	Lecture, PPT	Assignment
6	Mar II	03	Nature of learning process.	Lecture, PPT	Seminar
7	Mar III	03	Learning and maturation	Lecture, PPT	Assignment
8	Mar IV	03	Theories and laws of learning	Lecture, PPT	
9	April I	03	Role of motivation	Lecture, PPT	Assignment
10	April II	03	Attention learning	Discussion	
11	April III	03	Transfer of learning	Discussion, Drill	Seminar
12	May I	03	Theories of Transfer of learning	Lecture	Assignment
13	May II	03	Factors influencing transfer learning	Discussion	Seminar
14	May III	03	Memory	Lecture, PPT	Assignment
15	May IV	03	Types of memory	Lecture, PPT	

Government College for Men (Autonomous), Kadapa
Teaching Plan
Paper V: Abnormal Psychology

Year: 2021-22

Semester: 5

No. of hour per week: 3

Total hours/Credits: 45/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Mar I	04	Introduction to Abnormal psychology	Lecture	-
2	Mar II	04	Defining abnormal	Lecture	Seminar
3	Mar III	04	Criteria abnormal	Demonstration	Assignment
4	Mar IV	04	Classification and causes of abnormality	Lecture, PPT	
5	April I	04	Classification of disorder	Lecture, PPT	Assignment
6	April II	04	Etiological factors	Lecture, PPT	Seminar
7	April III	04	Social –cultural factors	Lecture, PPT	Assignment
8	April IV	04	Anxiety Disorders	Lecture, PPT	
9	May I	04	Nature and symptoms	Lecture, PPT	Assignment
10	May II	04	Anxiety disorder	Discussion	
11	May III	04	Phobia	Discussion, Drill	Seminar
12	June I	04	Types of disorder	Lecture	Assignment
13	June II	04	Somatoform Disorders	Discussion	Seminar
14	June III	04	Symptoms of Somatoform Disorders	Lecture, PPT	Assignment
15	June IV	04	Types of Somatoform Disorders	Lecture, PPT	



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Teaching Plan Paper VI: Child Psychology

Year: 2021-22
No. of hour per week: 3

Semester: 5
Total hours/Credits: 45/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Mar I	03	Nature Of Human Development Concepts of Growth and development	Lecture	-
2	Mar II	03	Principles Of development	Lecture	Assignment
3	Mar III	03	Methods of studying Human development	Demonstration	
4	Mar IV	03	Factors influence heredity & environment	Lecture, PPT	Seminar
5	April I	03	Early Stages of development	Lecture, PPT	Assignment
6	April II	03	Prenatal period - characteristics	Lecture, PPT	
7	April III	03	Factors influence prenatal development	Lecture, PPT	Seminar
8	June I	03	Body hood-development tasks	Lecture, PPT	
9	June II	03	Early childhood- 1 skills –speech development	Lecture, PPT	Assignment
10	June III	03	Early childhood –physical development	Discussion	
11	JuneIV	03	Early childhood-II Emotional development,social education	Discussion,Drill	Seminar




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PSYCHOLOGY - Teaching Plan

Paper I: VI ABNORMAL PSYCHOLOGY-I

Year: 2021-22

Semester: 6

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Oct IV	04	INTRODUCTION TO ABNORMAL PSYCHOLOGY	Lecture, PPT	Assignment
2	Nov I	04	CLASSIFICATION AND CAUSES OF ABNORMALITY	Discussion, PPT	Seminar
3	Nov II	04	ANXIETY DISORDERS	Lecture, PPT	-
4	Nov III	04	Nature and symptoms	Lecture	-
5	Dec I	04	anxiety disorder	Lecture,	Assignment
6	Dec II	04	types of anxiety	Discussion	Assignment
7	Dec III	04	phobias,	Discussion	
8	Dec IV	04	compulsive disorder	Lecture	
9	Jan I	04	– traumatic stress	Lecture, PPT	
10	Jan III	04	– Symptoms of somatoform disorders	Lecture	Assignment
11	Jan IV	04	types of somatoform disorders	Lecture, PPT	seminar
12	Feb I	04	pain disorders	Discussion, PPT	Assignment
13	Feb II	04	DISSOCIATIVE DISORDERS		-
14	Feb III	04	NATURE AND SYMPTOMS	Lecture, PPT	-
15	Feb IV	04	Amnesia and Fugue	Lecture	Assignment




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Teaching Plan

Paper VII: CHILD&ADOLESCENCE PSYCHOLOGY-II

Year: 2021-22

Semester: 6

No. of hour per week: 4

Total hours/Credits: 60/3

S. No.	Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity
1	Oct IV	04	LATE CHILDHOOD	Lecture, PPT	Assignment
2	Nov I	04	Late childhood General characteristics	Discussion, PPT	Seminar
3	Nov II	04	Emotional expression	Lecture, PPT	-
4	Nov III	04	PUBERTY	Lecture	-
5	Dec I	04	Deviant Maturing	Lecture,	Assignment
6	Dec II	04	ADOLESCENCE - I	Discussion	Assignment
7	Dec III	04	Adolescence General characteristics	Discussion	
8	Dec IV	04	– Social changes	Lecture	
9	Jan I	04	Sex interest	Lecture, PPT	
10	Jan III	04	Changes in morality	Lecture	Assignment
11	Jan IV	04	THEORIES OF HUMAN DEVELOPMENT	Lecture, PPT	seminar
12	Feb I	04	Freud's Psychosexual	Discussion, PPT	Assignment
13	Feb II	04	Erikson's psychosocial stages		-
14	Feb III	04	Piaget's Cognitive development	Lecture, PPT	-
15	Feb IV	04	. Kohlberg's theory	Lecture	Assignment




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