GOVERNMENT COLLEGE FOR MEN

(AUTONOMOUS)

KADAPA – 516 004

(NAAC ACCREDITED AT B- GRADE – CYCLE III)

ANNUAL TEACHING PLANS

Academic Year 2022–2023

Government College for Men (Autonomous), Kadapa

English - Teaching Plan

Paper I:A Course in Communication and Soft Skills

Year: 2022-23 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	Oct IV	4	Introduction to syllabus Importance of Listening	Lecture, CLT		
2	Nov I	4	Types of Listening , Barriers to Listening, Effective Listening	Lecture, CLT	Listening activity	
3	Nov II	4	Sounds of English: Vowels and Consonants	Lecture, CLT	Exercises	
4	Nov III	4	Word Accent, Intonation	Lecture, CLT		
5	Nov IV	4	Concord, Articles	Lecture, CLT		
6	Dec I	4	Tenses(Present/Past/Future), Prepositions	Lecture, CLT		
7	Dec II	4	Question Tags, Error Correction	Lecture, CLT		
8	Dec III	4	Punctuation, Spelling	Lecture, CLT	Spell bee activity	
9	Dec IV	4	Paragraph Writing, SWOC	Lecture, CLT		
10	Jan I	4	Attitude, Emotional Intelligence	Lecture, CLT		
11	Jan III	4	Telephone Etiquette, Interpersonal Skills	Lecture, CLT		
12	Jan IV	4	Revision			

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English - Teaching Plan

Paper II: A Course in Reading and Writing Skills

Year: 2022-23 Semester: II

No. of hours per week: 5 Total hours/Credits: 60/3

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

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English - Teaching Plan

Paper III: A Course in Conversational Skills

Year: 2022-23 Semester: III

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	Oct III	4	Introduction to syllabus Question paper format	Lecture		
2	Oct IV	4	Tryst with Destiny - Jawaharlal Nehru Greetings	Lecture	Assignment	
3	Nov I	4	Introductions Yes, We Can - Barack Obama	Lecture , CLT	Introduction Activity	
4	Nov II	4	A Leader Should Know How to Manage Failure Dr.A.P.J.Abdul Kalam@India Knowledge at Wharton	Lecture	Assignment	
5	Nov III	4	Requests, Nelson Mandela's Interview With Larry King	Lecture, CLT		
6	Nov IV	4	Asking and Giving Information, Agreeing and Disagreeing	CLT		
7	Dec I	4	JRD Tata's Interview With T.N.Ninan	Lecture, CLT	Seminar	
8	Dec II	4	Dialogue Building	CLT		
9	Dec III	4	Giving Instructions/Directions	CLT		
10	Dec IV	4	You've Got to Find What You Love - Steve Jobs	Lecture, Video		
11	Jan I	4	Debates, Descriptions	Lecture, debating	Descriptions-Assignment	
12	Jan III	4	Role Plays	Lecture	Role Play Activity	
13	Jan IV	4	Revision			

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Annual curriculum plan

(Teaching plan)

2022-23

GENERAL TELUGU

&

SPECIAL TELUGU

GOVERNMENT COLLEGE FOR MEN, KADAPA (AUTONOMOUS) DEPARTMENT OF TELUGU YEAR: 2022-23

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM **Genaral Telugu** **SEMESTER- 1**

NO. HRS/WEEK: 05 ప్రాచీన కవిత్వం- ఆధునిక కవిత్వం, కథానికలు మరియు వ్యాకరణం Total Hours : 60 Credits: 3

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	October	4th	05	యూనిట్-1. రాజనీతి - నన్నయ	ఉపన్యాస	అసైన్‌మెంట్
2	November	1st	05	యూనిట్-1. రాజనీతి - నన్నయ	ఉపన్యాస	పద్యపఠనం
3		2nd	05	యూనిట్-1. రాజనీతి - నన్నయ	ఉపన్యాస	సెమినార్
4		3rd	05	యూనిట్-2. దక్షయజ్ఞం- నన్నెచోడుడు	ఉపన్యాస	
5		4th	05	యూనిట్-2. దక్షయజ్ఞం- నన్నెచోడుడు	చర్చ-వివరణ	బృంద చర్చ
6	December	1st	05	యూనిట్-3.ధౌమ్య ధర్మోపదేశం-తిక్కన	వివరణ	పద్యపఠనం
7		2nd	05	యూనిట్-3.ధౌమ్య ధర్మోపదేశం-తిక్కన	ఉపన్యాస	క్విజ్
8		3rd	05	యూనిట్-4. పల్నాటి బెబ్బులి- శ్రీనాథుడు	ఉపన్యాస	అసైన్‌మెంట్
9		4th	05	యూనిట్-4. పల్నాటి బెబ్బులి- శ్రీనాథుడు	ఉపన్యాస	
10	January	1st	05	యూనిట్-5 సీతారావణ సంవాదం- మొల్ల	ఉపన్యాస	శ్రీశ్రీ జయంతి
11		2nd	05	యూనిట్-5 సీతారావణ సంవాదం- మొల్ల	ఉపన్యాస	యువజనోత్సవం (వివేకానందుని జయంతి)
12		3rd	05	వ్యాకరణం-సంధులు, సమాసాలు	సమగ్ర వివరణ	సెమినార్
13		4th	05	వ్యాకరణం- అలంకారాలు (శబ్దలంకారాలు, అర్థలంకారాలు) వ్యాకరణం-ఛందస్సు (వృత్తాలు, జాతులు, ఉపజాతులు)	సమగ్ర వివరణ	క్షేత్రపర్యటన

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DEPARTMENT OF TELUGU . YEAR: 2022-2023

GOVERNMENT COLLEGE FOR MEN,KADAPA(AUTONOMOUS)

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM **GENARAL TELUGU,SEMESTER- 2**

NO. HRS/WEEK:05 **ఆధునిక తెలుగు సాహిత్యం** Total Hours : 60 Credits: 3

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
	FEBRAUARY	3rd	05	ఆధునిక సాహిత్య ప్రక్రియలు -పరిచయం	ఉపన్యాస	అంతర్జాతీయ మాతృభాషాదినోత్సవం
1		4th	05	ఆధునిక కవిత్వం -పరిచయం	చర్చ-వివరణ	అసైన్‌మెంట్
2	MARCH	1st	05	కొండవీడు- దువ్వూరి రామిరెడ్డి	ఉపన్యాస	పద్యపఠనం
3		2nd	05	మాతృ సంగీతం - అనిసెట్టి సుబ్బారావు	ఉపన్యాస	సెమినార్
4		3rd	05	తాతకో నూలుపోగు- బండారు ప్రసాదమూర్తి	ఉపన్యాస	
5		4th	05	తెలుగు కథానిక -పరిచయం	చర్చ-వివరణ	
6	APRIL	1st	05	భయం- కాళీపట్నం రామారావు.	విశ్లేషణ	పద్యపఠనం
7		2nd	05	స్వేదం ఖరీదు- రెంటాల నాగేశ్వరరావు	విశ్లేషణ	క్విజ్
8		3rd	05	తెలుగు నవల-పరిచయం	చర్చ-వివరణ	అసైన్‌మెంట్
9		4th	05	రథచక్రాలు-(నవల) మహిధర్ రామ్మోహనరావు	పరిచయం	
10	MAY	1st	05	రథచక్రాలు-సమీక్ష - డా॥ యల్లాప్రగడ మల్లిఖార్జునరావు	ఉపన్యాస	బృంద చర్చ
11		2nd	05	తెలుగు నాటకం -పరిచయం,	సమగ్ర వివరణ	
12		3rd	05	యక్షగానం- యం.వి.యస్. హరనాథరావు	వివరణ	సెమినార్
13		4th	05	అపురూప కళారూపాల విధ్వంస దృశ్యం' యక్షగానం'	సమగ్ర వివరణ	క్షేత్రపర్యటన
14		1st	05	తెలుగు సాహిత్య విమర్శ -డా॥ నాగభైరవ ఆదినారాయణ	చర్చ-వివరణ	
15	JUNE	2nd	05	విమర్శ స్వరూప స్వభావాలు:	సమగ్ర వివరణ	సెమినార్
16		3rd	05	ఉత్తమ విమర్శకుడు- లక్షణాలు	విశ్లేషణ	

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BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM , **GENARAL TELUGU,SEMESTER- 3**

NO. HRS/WEEK:05 **సృజనాత్మక రచన** Total Hours : 60 Credits: 3

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	October	4th	05	వ్యక్తీకరణ నైపుణ్యాలు	ఉపన్యాస	అసైన్‌మెంట్
2	November	1st	05	వ్యక్తీకరణ నైపుణ్యాలు	ఉపన్యాస	పద్యపఠనం
3		2nd	05	సృజనాత్మక రచన	ఉపన్యాస	సెమినార్
4		3rd	05	కవితా రచన -ఉత్తమ కవిత లక్షణాలు	ఉపన్యాస	బృంద చర్చ
5		4th	05	కథా రచన -ఉత్తమ కథ లక్షణాలు, వ్యాస రచన- ఉత్తమ వ్యాస లక్షణాలు	చర్చ-వివరణ	
6	December	1st	05	అనువాద రచన -అనువాదం నిర్వచనం, ఆనువాద పద్ధతులు	వివరణ	పద్యపఠనం
7		2nd	05	ఆనువాద సమస్యలు -భౌగోళిక సమస్యలు	ఉపన్యాస	క్విజ్
8		3rd	05	భాషా, సాంస్కృతిక సమస్యలు-పరిష్కారాలు	ఉపన్యాస	అసైన్‌మెంట్
9		4th	05	మాధ్యమాలకు రచన -ముద్రణా మాధ్యమం పరిచయం	ఉపన్యాస	
10	January	1st	05	వివిధ రకాల పత్రికలు -పరిశీలన	ఉపన్యాస	శ్రీశ్రీ జయంతి
11		2nd	05	పత్రిక రచన - వార్తా రచన ,సంపాదకీయాలు	ఉపన్యాస	యువజనోత్సవం (వివేకానందుని జయంతి)
12		3rd	05	మాధ్యమాలకు రచన - ప్రసార మాధ్యమాలు	సమగ్ర వివరణ	సెమినార్
13		4th	05	శ్రవణ మాధ్యమాలు , దృశ్య మాధ్యమాలు	సమగ్ర వివరణ	క్షేత్రపర్యటన

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BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM SEMESTER- 1

NO. HRS/WEEK:06 **ప్రాచీన కవిత్వం (స్పెషల్ తెలుగు)** Total Hours : 90 Credits: 3

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	October	4th	06	యూనిట్-1. బెజ్జమహాదేవి కథ-పాల్కురికి సోమన	ఉపన్యాస	అసైన్‌మెంట్
2	November	1st	06	యూనిట్-1. బెజ్జమహాదేవి కథ-పాల్కురికి సోమన	ఉపన్యాస	పద్యపఠనం
3		2nd	06	యూనిట్-1. బెజ్జమహాదేవి కథ-పాల్కురికి సోమన	ఉపన్యాస	సెమినార్
4		3rd	06	యూనిట్-2. నాడీజంఘోపాఖ్యానం- తిక్కన	ఉపన్యాస	
5		4th	06	యూనిట్-2. నాడీజంఘోపాఖ్యానం- తిక్కన	వివరణ	బృంద చర్చ
6	December	1st	06	యూనిట్-2. నాడీజంఘోపాఖ్యానం- తిక్కన	వివరణ	పద్యపఠనం
7		2nd	06	యూనిట్-3. ప్రహ్లాద చరిత్రం- బమ్మెర పోతన	ఉపన్యాస	క్విజ్
8		3rd	06	యూనిట్-3. ప్రహ్లాద చరిత్రం- బమ్మెర పోతన	ఉపన్యాస	అసైన్‌మెంట్
9		4th	06	యూనిట్-3. ప్రహ్లాద చరిత్రం- బమ్మెర పోతన	ఉపన్యాస	
10	January	1st	06	యూనిట్-4. వరూధినీ ప్రవరులు -అల్లసాని పెద్దన	ఉపన్యాస	శ్రీశ్రీ జయంతి
11		2nd	06	యూనిట్-4. వరూధినీ ప్రవరులు -అల్లసాని పెద్దన	ఉపన్యాస	యువజనోత్సవం (వివేకానందుని జయంతి)
12		3rd	06	యూనిట్-4. వరూధినీ ప్రవరులు -అల్లసాని పెద్దన	వివరణ	సెమినార్
13		4th	06	యూనిట్-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:06 **ప్రాచీన కవిత్వం (స్పెషల్ తెలుగు)** *Total Hours: 90* *Credits: 3*

S.No	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
	FEBRAUARY	3rd	06	భావ కవిత్వం -పరిచయం	ఉపన్యాస	అంతర్జాతీయ మాతృభాషాదినోత్సవం
1		4th	06	యూనిట్-1. జన్మభూమి (గేయం) రాయప్రోలు సుబ్బారావు	ఉపన్యాస	
2	MARCH	1st	06	యూనిట్-1. జన్మభూమి (గేయం) రాయప్రోలు సుబ్బారావు	ఉపన్యాస	పద్యపఠనం
3		2nd	06	శతక సాహిత్యం -పరిచయం	చర్చ-వివరణ	సెమినార్
4		3rd	06	యూనిట్-2. వేమన నీతి- వేమన పద్యాల	విశ్లేషణ	
5		4th	06	యూనిట్-2. వేమన నీతి- వేమన పద్యాలు	వివరణ	
6	APRIL	1st	06	యూనిట్-2. వేమన నీతి- వేమన పద్యాలు	వివరణ	పద్యపఠనం
7		2nd	06	ఖండకావ్యం -పరిచయం	ఉపన్యాస	క్విజ్
8		3rd	06	యూనిట్-3 గబ్బిలం- గుర్రం జాషువా	ఉపన్యాస	అసైన్‌మెంట్
9		4th	06	యూనిట్-3 గబ్బిలం- గుర్రం జాషువా	ఉపన్యాస	
10	MAY	1st	06	యూనిట్-3 గబ్బిలం- గుర్రం జాషువా	వివరణ	బృంద చర్చ
11		2nd	06	అభ్యుదయ కవిత్వం-శ్రీరంగం శ్రీనివాసరావు- కవి పరిచయం	వివరణ	
12		3rd	06	యూనిట్-4. భిక్షవర్షీయసీ - శ్రీరంగం శ్రీనివాసరావు	వివరణ	సెమినార్
13		4th	06	యూనిట్-4. భిక్షవర్షీయసీ - శ్రీరంగం శ్రీనివాసరావు	సమగ్ర వివరణ	క్షేత్రపర్యటన
14	JUNE	1st	06	యూనిట్-5. అమృతం కురిసిన రాత్రి- బాలగంగాధర తిలక్	చర్చ-వివరణ	
15		2nd	06	యూనిట్-5. అమృతం కురిసిన రాత్రి- బాలగంగాధర తిలక్	విశ్లేషణ	
16		3rd	06	యూనిట్-5. అమృతం కురిసిన రాత్రి- బాలగంగాధర తిలక్	వివరణ	

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BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM YEAR: 2022-2023

Subject:- **Special Telugu II YEAR** **SEMESTER- 3**

NO. HOURS/WEEK:06 ప్రాచీన తెలుగు సాహిత్య చరిత్ర Total Hours: 90 Credits: 4

S. No	MONTH	wEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	October	3rd	06	1.ప్రాఙ్నన్నయ యుగము-సాహిత్య వికాసము	ఉపన్యాస	
2		4th	06	1.ప్రాఙ్నన్నయ యుగము-సాహిత్య వికాసము	ఉపన్యాస	అసైన్‌మెంట్
3	November	1st	06	2.అనువాద యుగము - నన్నయ	ఉపన్యాస	పద్యపఠనం
4		2nd	06	2.శివకవి యుగము - సాహిత్య వికాసము	ఉపన్యాస	సెమినార్
5		3rd	06	2.మార్గ దేశి భేదాలు-దేశి కవిత్వోద్యమం	ఉపన్యాస	
6		4th	06	3.కావ్య పురాణ యుగము-తిక్కన, ఎఱ్ఱన	చర్చ-వివరణ	గ్రూప్‌డిస్కసన్
7	December	1st	06	3.నాచన సోమన కృతులు , కవితా రీతులు	వివరణ	
8		2nd	06	4.శ్రీనాథుని కృతులు -సమీక్ష	వివరణ	క్విజ్
9		3rd	06	4 భక్తకవి పోతన- భాగవత పురాణ రచన	ఉపన్యాస	అసైన్‌మెంట్
10		4th	06	ప్రబంధ యుగము- సాహిత్య వికాసము	ఉపన్యాస	
11	January	1st	06	ప్రబంధ యుగము- సాహిత్య వికాసము	ఉపన్యాస	శ్రీశ్రీ జయంతి
12		2nd	06	దక్షిణాంధ్ర యుగం-సాహిత్యం	ఉపన్యాస	యువజనోత్సవం (వివేకానందుని జయంతి)
13		3rd	06	పద సాహిత్యం , శతక సాహిత్యం	వివరణ	సెమినార్
14		4th	06	వచన సాహిత్యం, యక్షగానాలు	వివరణ	క్షేత్రపర్యటన

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BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM, Subject:- Special Telugu II YEAR SEMESTER- 4

NO. HOURS/WEEK:06 **ఆధునిక తెలుగు సాహిత్య చరిత్ర** **Total Hours:90** **Credits: 4**

S. No	MONTH	wEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO- CURRICULAR ACTIVITY
1	FEBRAUARY	3rd	06	1.ఆధునిక కవిత్వ లక్షణాలు-ఆధునిక కవిత్వంలో ఉద్యమాలు,వాదాలు	ఉపన్యాస	అంతర్జాతీయ మాతృభాషాదినోత్సవం
2		4th	06	2.ఆధునిక కవిత్వ ప్రక్రియలు	ఉపన్యాస	అసైన్‌మెంట్
3	MARCH	1st	06	3.ఆధునిక తెలుగు సాహిత్య దీపదారులు-వీరేశలింగం,గిడుగు,గురజాడ	ఉపన్యాస	పద్యపఠనం
4		2nd	06	4.భావ కవిత్వం- నిర్వచనం, భావకవితా శాఖలు	ఉపన్యాస	సెమినార్
5		3rd	06	5.భావకవులకు మర్గదర్శులు- దేవులపల్లి,రాయప్రోలు	ఉపన్యాస	
6		4th	06	6.ప్రసిద్ధ భావకవులు , కృతులు -సమీక్ష	చర్చ-వివరణ	గ్రూప్‌డిస్కసన్
7	APRIL	1st	06	7. అభ్యుదయ కవిత్వం-నిర్వచనం, నేపథ్యం	వివరణ	
8		2nd	06	8.శ్రీశ్రీ- మహాప్రస్థానం-ప్రసిద్ధ అభ్యుదయ కవులు-కృతులు,సమీక్ష	వివరణ	క్విజ్
9		3rd	06	9.తెలంగాణ పోరాట కవిత్వం, విప్లవ కవిత్వం	చర్చ-వివరణ	అసైన్‌మెంట్
10		4th	06	10.వచన కవిత్వం- ఆవిర్భావ, వాకాసాలు	చర్చ-వివరణ	
11	MAY	1st	06	11.నవ్య సంప్రదాయ కవిత్వం-స్వరూప స్వభావాలు	ఉపన్యాస	పద్యపఠనం
12		2nd	06	12. నయాగరా కవులు -కృతులు -సమీక్ష	ఉపన్యాస	
13		3rd	06	13.చేతనా వర్త, అనుభూతి కవులు -కృతులు -సమీక్ష	వివరణ	సెమినార్
14		4th	06	14.స్త్రీవాద కవిత్వం-నేపథ్యం, ప్రధానాంశాలు,వస్తు వైవిధ్యం	వివరణ	
15	JUNE	1st	06	15.ప్రసిద్ధ .స్త్రీవాద కవియిత్రులు-రచనలు	వివరణ	గ్రూప్‌డిస్కసన్
		2nd	06	దళితవాదం నేపథ్యం -రచనలు		
		3rd	06	మైనార్టీ వాదం, ప్రాంతీయ వాదం రచనలు		

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DEPARTMENT OF TELUGU YEAR: 2022-2023 SEMESTER- 4

subject : special Telugu II year paper -5 సాహిత్య విమర్శ

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

S.NO	MONTH	WEEK	NO.OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY
1	FEBRAUARY	3RD	06	కవి కావ్యము, నిర్వచనాలు-భారతీయ అలంంకారికులు, తెలుగు అలంకారికులు.	ఉపన్యాస	అంతర్జాతీయ మాతృభాషాదినోత్సవం
		4TH	06	కవి కావ్యము, నిర్వచనాలు-భారతీయ అలంంకారికులు, తెలుగు అలంకారికులు	ఉపన్యాస	అసైన్‌మెంట్
2	MARCH	1ST	06	కవి కావ్యము, నిర్వచనాలు-భారతీయ అలంంకారికులు, తెలుగు అలంకారికులు	ఉపన్యాస	
		2ND	06	కావ్య భేదాలు, కావ్య హేతువులు	ఉపన్యాస	సెమినార్
		3RD	06	కావ్య భేదాలు, కావ్య హేతువులు	ఉపన్యాస	
		4th	06	కావ్య భేదాలు, కావ్య హేతువులు	చర్చ-వివరణ	గ్రూప్‌డిస్కసన్
3	APRIL	1ST	06	కావ్య ప్రయోజనాలు-	వివరణ	
		2ND	06	రస స్వరూపం -రసనిష్పన్న వాదాలు	వివరణ	క్విజ్
		3RD	06	రస నిర్వచనం, (విభావ, అనుభావ, సాత్విక, సంచారిభావాలు)	ఉపన్యాస	అసైన్‌మెంట్
		4th	06	రస నిర్వచనం, (విభావ, అనుభావ, సాత్విక, సంచారిభావాలు)	ఉపన్యాస	
4	MAY	1ST	06	రసము- యన్నిష్టము	ఉపన్యాస	
		2ND	06	రసము-రసభేదాలు	ఉపన్యాస	
		3RD	06	ధ్వని నిర్వచనము, ధ్వని సిద్ధాంతాలు	వివరణ	సెమినార్
		4th	06	ధ్వని నిర్వచనము, ధ్వని సిద్ధాంతాలు	వివరణ	క్షేత్రపర్యటన
5	JUNE	1st	06	ధ్వని భేదాలు (అభిధ, లక్షణ ,వ్యంజన	వివరణ	
		2ND	06	దృశ్య- శ్రవ్య కళలు		
		3RD	06	లలిత కళల్లో కవిత్వ స్థానం		

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BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM YEAR:2022 - 2023 SEMESTER- 6

subject : special Telugu III year paper -6 C (SEC) మాధ్యమాలకు రచన

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

S.NO	MONTH	WEEK	NO.OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY
1	FEBRAUARY	3RD	06	1.సమాచార వినిమయం (కమ్యూనికేషన్),కమ్యూనికేషన్ నిర్వచనం	ఉపన్యాస	
		4TH	06	కమ్యూనికేషన్ ,రకాలు.	ఉపన్యాస	అసైన్‌మెంట్
2	MARCH	1ST	06	డైరెక్ట్ కమ్యూనికేషన్, వెర్బల్ కమ్యూనికేషన్.	ఉపన్యాస	
		2ND	06	నాన్ వెర్బల్ కమ్యూనికేషన్, ఇంటర్ పర్సనల్ కమ్యూనికేషన్.	ఉపన్యాస	సెమినార్
		3RD	06	ఇండోర్ కమ్యూనికేషన్, ఔట్‌డోర్ కమ్యూనికేషన్, మాస్ కమ్యూనికేషన్.	ఉపన్యాస	
		4th	06	2. జర్నలిజం- రిపోర్టింగ్, ఎడిటింగ్,	చర్చ-వివరణ	గ్రూప్‌డిస్కసన్
3	APRIL	1ST	06	జర్నలిజం- నిర్వచనం, రకాలు	వివరణ	
		2ND	06	రిపోర్టర్ అర్హతలు, లక్షణాలు,	వివరణ	క్విజ్
		3RD	06	రిపోర్టర్ విధులు, ఎథిక్స్ ఆప్ రిపోర్టింగ్	ఉపన్యాస	అసైన్‌మెంట్
		4th	06	ఎడిటింగ్, సబ్ ఎడిటర్.	ఉపన్యాస	
4	MAY	1ST	06	సబ్ ఎడిటర్- అర్హతలు,లక్షణాలు,	ఉపన్యాస	
		2ND	06	సబ్ ఎడిటర్- బరువు-బాధ్యతలు-అధికారాలు , విధులు	ఉపన్యాస	
		3RD	06	ఫీచర్ న్యూస్, స్పాట్ న్యూస్,ఈవెంట్ న్యూస్,హెడ్ న్యూస్, న్యూస్‌లీడ్స్.	వివరణ	సెమినార్
		4th	06	ఫీచర్ లక్షణాలు, రకాలు.	వివరణ	క్షేత్రపర్యటన
5	JUNE	1st	06	తెలుగు పత్రికల ఆవిర్భావ వికాసాలు, తొలిదశ, మలిదశ.	వివరణ	?
		2ND	06	తెలుగు పత్రికల పరిణామ దశ, విస్తరణ దశ, వికాస దశ.		
		3RD	06	తెలుగు పత్రికల వర్గీకరణ, రకాలు, తెలుగు పత్రికలు, పాత్రికేయులు.		

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GOVERNMENT COLLEGE FOR MEN,KADAPA(AUTONOMOUS) DEPARTMENT OF TELUGU

BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM

YEAR:2022 - 2023 SEMESTER- 6

subject : special Telugu III year paper -7 C : తెలుగుఅనువాదం

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

S.NO	MONTH	WEEK	NO.OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY
1	FEBRAUARY	3RD	06	అనువాదం-స్వరూప స్వభావాలు.	ఉపన్యాస	
		4TH	06	అనువాదంనిర్వచనం- ప్రమాణాలు.	ఉపన్యాస	అసైన్‌మెంట్
2	MARCH	1ST	06	అనువాదం - మూలభాష, లక్ష్యభాష.	ఉపన్యాస	
		2ND	06	అనువాదం- పదం, పదబంధం.	ఉపన్యాస	సెమినార్
		3RD	06	అనువాదం శాస్త్రమా, కళా?	ఉపన్యాస	
		4th	06	అనువాదం- రకాలు; వివిధరకాల అనువాదాలు.	చర్చ-వివరణ	గ్రూప్‌డిస్కసన్
3	APRIL	1ST	06	గ్రాంధిక వ్యవహారిక భాషావాదాలు	వివరణ	
		2ND	06	అనువాదకుడు -లక్షణాలు -రకాలు.	వివరణ	క్విజ్
		3RD	06	అనువాద సమస్యలు- భౌగోలిక , భాషా , సమస్యలు.	ఉపన్యాస	అసైన్‌మెంట్
		4th	06	అనువాద సమస్యలు-సరిష్కార మార్గాలు.	ఉపన్యాస	
4	MAY	1ST	06	అనువాద ప్రయోజనాలు.	ఉపన్యాస	
		2ND	06	ప్రపంచీకరణ నేపథ్యంలో అనువాదాల ప్రాధాన్యం	ఉపన్యాస	
		3RD	06	అధికార భాషగా తెలుగు ,రాష్ట్ర పాలనా యంత్రాంగంలో జరిగిన జరుగుతున్నకృషి.	వివరణ	సెమినార్
		4th	06	అధికార భాష- ఆవశ్యకత.	వివరణ	క్షేత్రపర్యటన
5	JUNE	1st	06	అధికార భాష సంఘం విధులు, హక్కులు, బాధ్యతలు.	వివరణ	
		2ND	06	తెలుగు సజీవ భాషకు దోహదాలు.		
		3RD	06	పునశ్చరణ		?ప్రాజెక్టు వర్క్

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Department of Urdu

گورنمنٹ کالج برائے ذکور (خودمختارادارہ) : کڈپہ-۵۱۶۰۰۴ (آندھراپردیش)

شعبہ اردو

Government College for Men KADAPA Autonomous

PRINCIPAL
GOVT. COLLEGE FOR MEN (A)
KADAPA.

Annual Academic Plan : Academic Year 2022-23

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

&

Part-II : Core Subject : Urdu Spl : Skill Enhancement Course Paper VI & Paper VII : Sem V

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ANNUAL CURRICULAR PLAN [CBCS]
Academic Year 2022-23
Part-I(B) : URDU GEN.
Paper-I : URDU Gen. [Course Code: RS22-1005]

Sem I : Paper I : Sheri Asnaf-1 : Course Code: RS22-1005 : Hours/Week: 4 Hours : Credits-4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
October 2022	I	4 Hours	اکائی اوّل-نصاب کا تعارف-صنف غزل-فن اور تکنیک-اردو غزل کا آغاز وارتقا	تدریس وتفہیم	نوٹس	
Oct	II	4 Hours	صنف نظم-فن اور تکنیک-اردو نظم کا آغاز وارتقا	تدریس وتفہیم	نوٹس	
November	III	4 Hours	غزل: آج کی رین مجھ کوں خواب نہ تھا-ولی دکنی-شاعر کا تعارف، غزل کا مطالعہ، تشریح	تدریس وتفہیم	مباحثہ	
Nov	IV	4 Hours	نظم: کل جگ-نظیر اکبرآبادی-شاعر کا تعارف، نظم کا مطالعہ، خلاصہ	تدریس وتفہیم	تفویضی کام	
Nov	V	4 Hours	اکائی دوّم-غزل: راہ دور عشق میں روتا ہے کیا-میر-شاعر کا تعارف، غزل کا مطالعہ، تشریح	مطالعہ، تفہیم وتشریح	کلاس روم سیمنار	
Nov	VI	4 Hours	نظم: نصیحت اخلاقی-نظیر اکبرآبادی-شاعر کا تعارف، نظم کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
December	VII	4 Hours	اکائی سوم-غزل: دردمنّت کش دوا نہ ہوا-غالب-شاعر کا تعارف، غزل کا مطالعہ، تشریح	مطالعہ، تفہیم وتشریح	نوٹس	
Dec	VIII	4 Hours	نظم: چاند اور تارے-علامہ اقبال-شاعر کا تعارف، نظم کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	Internals-1
Dec	IX	4 Hours	اکائی چہارم-غزل: دنیا میں آدمی کو.....-داغ-شاعر کا تعارف، غزل کا مطالعہ، تشریح	مطالعہ، تفہیم وتشریح	مباحثہ	
Dec	X	4 Hours	نظم: لوح وقلم-فیض احمد فیض-شاعر کا تعارف، نظم کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	
January 2023	XI	4 Hours	اکائی پنجم-غزل: وہ ادائے دل بری ہو.....-جگر-شاعر کا تعارف، غزل کا مطالعہ، تشریح	مطالعہ، تفہیم وتشریح	تفہیم، نوٹس	
Jan	XII	4 Hours	نظم: قبر-اختر الایمان-شاعر کا تعارف، نظم کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	تفہیم، نوٹس	Internals-2
Jan	XIII	4 Hours	اکائی اوّل-تا-اکائی پنجم: اہم نکات کا اعادہ	تدریس وتفہیم، گفتگو	مباحثہ	Revision
Classes commenced for Sem-I: 20-10-2022 | Semester End Examinations from: 01-02-2023						
Holidays: pongal Holidays 11-01-2023 to 17-01-2023						

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ANNUAL CURRICULAR PLAN [CBCS]
Academic Year 2022-23
Part-I(B) : URDU GEN.
Paper-II : URDU Gen. [Course Code: RS22-2005]

Sem II : Paper II : Sheri Asnaf-2 : Course Code: RS22-2005 : Hours/Week: 4 Hours : Credits-4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
February 2023	I	4 Hours	اکائی اوّل-نصاب کا تعارف-صنف مثنوی-فن اور تکنیک-اردو مثنوی کا آغاز وارتقا	تدریس وتفہیم	اہم نکات، نوٹس	
Feb	II	4 Hours	مثنوی:سحرالبیان (منتخب حصہ)-میر حسن-شاعر کا تعارف، مثنوی کا مطالعہ، خلاصہ	تدریس وتفہیم، خلاصہ	اہم نکات، نوٹس	
March	III	4 Hours	اکائی دوّم-صنف مرثیہ-فن اور تکنیک-اردو مرثیہ کا آغاز وارتقا	مطالعہ، تفہیم	مباحثہ	
Mar	IV	4 Hours	مرثیہ:جب قطع کی.....(منتخب بند)-میر انیس-شاعر کا تعارف، مرثیہ کا مطالعہ، خلاصہ	تدریس وتفہیم، خلاصہ	تفویضی کام	
Mar	V	4 Hours	اکائی سوم-صنف قصیدہ-فن اور تکنیک-اردو قصیدہ کا آغاز وارتقا	تدریس وتفہیم	کلاس روم سیمنار	
Mar	VI	4 Hours	قصیدہ:ہیں مری آنکھوں میں.....(منتخب اشعار)-ذوق-شاعر کا تعارف، قصیدے کا مطالعہ، خلاصہ	مطالعہ، تفہیم، خلاصہ	مباحثہ	
April	VII	4 Hours	اکائی چہارم-صنف رباعی-فن اور تکنیک-اردو میں رباعی گوئی	تدریس وتفہیم	نوٹس	Internals-1
Apr	VIII	4 Hours	منتخب رباعیات-امجد حیدر آبادی-شاعر کا تعارف، رباعیات کا مطالعہ، تفہیم وتشریح	تدریس، تفہیم، تشریح	نوٹس	
Apr	IX	4 Hours	منتخب رباعیات - ساغر جیّدی -شاعر کا تعارف، رباعیات کا مطالعہ، تفہیم وتشریح	تدریس، تفہیم، تشریح	مباحثہ	
Apr	X	4 Hours	اکائی پنجم-نظم: میرا پوتا-معین نظامی-شاعر کا تعارف، نظم کا مطالعہ، خلاصہ	تدریس وتفہیم، خلاصہ	نوٹس	
May	XI	4 Hours	غزل: مجھے کیا معلوم-صدیق قیسی قمرنگری-شاعر کا تعارف-غزل کا مطالعہ، تفہیم وتشریح	مطالعہ، تفہیم، تشریح	نوٹس	
June	XII	4 Hours	اکائی اوّل-تا-اکائی سوم:اہم نکات کا اعادہ	تدریس وتفہیم، گفتگو	مباحثہ	Internals-2
June	XIII	4 Hours	اکائی چہارم-تا-اکائی پنجم:اہم نکات کا اعادہ	تدریس وتفہیم، گفتگو	مباحثہ	Revision

Classes commenced for Sem-II: 13-02-2023 | Semester End Examinations from: 22-06-2023

Holidays: Summer Vacations 08-05-2023 to 03-06-2023

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ANNUAL CURRICULAR PLAN [CBCS]
Academic Year 2022-23
Part-I(B) : URDU GEN.
Paper-III : URDU Gen. [Course Code: RS22-3005]

Sem III : Paper III : Afsanavi Adab Ki Asnaf : Course Code: RS22-3005 : Hours/Week: 4 Hours : Credits-4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
October 2022	I	4 Hours	اکائی اوّل-داستان:صنف داستان کا تعارف: میر امّن دہلوی، سوانحی خاکہ	تدریس، تفہیم، اہم نکات	تفہیم، نوٹس	
Oct	II	4 Hours	داستان باغ و بہار: ''آغاز قصے کا''، منتخب حصہ: مطالعہ، متن کے حوالے، خلاصہ	مطالعہ، تدریس، خلاصہ	تفہیم	
November	III	4 Hours	اکائی دوّم-ناول:صنف ناول کا تعارف: ڈپٹی نذیر احمد، سوانحی خاکہ	تدریس، تفہیم، اہم نکات	مباحثہ	
Nov	IV	4 Hours	ناول توبۃ النصوح: ''کلیم کا مرزا ظاہر دار بیگ کے ہاں مہمان جانا'': مطالعہ، خلاصہ	مطالعہ، تدریس، خلاصہ	تفویضی کام	
Nov	V	4 Hours	اکائی سوم-افسانہ: افسانے کا تعارف: اردو میں افسانے کی روایت: عبدالصمد، سوانحی خاکہ	تدریس، تفہیم، اہم نکات	کلاس روم سیمنار	
Nov	VI	4 Hours	افسانہ ''ایک اور دن'': مطالعہ، متن کے حوالے، خلاصہ	مطالعہ، تدریس، خلاصہ	مباحثہ	
December	VII	4 Hours	اکائی چہارم-ڈراما: تعارف، فن اور تکنیک، اردو میں ڈراما کی روایت: کریم رومانی، سوانحی خاکہ	تدریس، تفہیم، اہم نکات	تفہیم، نوٹس	
Dec	VIII	4 Hours	ڈراما ''گوڑ کی مکھیاں'': مطالعہ، متن کے حوالے، خلاصہ	مطالعہ، تدریس، خلاصہ	تفہیم، نوٹس	Internals-1
Dec	IX	4 Hours	اکائی پنجم-رائل سیما میں اردو ڈراما: تعارف: رائل سیما میں اردو ڈرامے کا فروغ، جائزہ	تدریس، تفہیم، اہم نکات	مباحثہ	
Dec	X	4 Hours	یوسف صفی، سوانحی خاکہ، ادبی و فنّی خدمات	تدریس، تفہیم	تفہیم، نوٹس	
January 2023	XI	4 Hours	ڈراما ''دفینہ''-(ص62 تا ص66): مطالعہ، متن کے حوالے، خلاصہ	مطالعہ، تدریس، خلاصہ	تفہیم	
Jan	XII	4 Hours	اکائی اوّل-تا-اکائی سوم: اہم نکات کا اعادہ	تدریس و تفہیم، گفتگو	مباحثہ	Internals-2
Jan	XIII	4 Hours	اکائی چہارم-تا-اکائی پنجم: اہم نکات کا اعادہ	تدریس و تفہیم، گفتگو	مباحثہ	Revision

Classes commenced for Sem-III: 20-10-2022 | Semester End Examinations from: 01-02-2023

Holidays: pongal Holidays 11-01-2023 to 17-01-2023

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ANNUAL CURRICULAR PLAN [CBCS]
Academic Year 2022-23
Part-II : Core Subject : URDU Spl.
Paper-I : URDU Spl. [Course Code: RS22-1106]

Sem I : Paper I : Nasri Asnaf-1 : Course Code: RS22-1106 : Hours/Week: 6 Hours : Credits-4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
October 2022	I	6 Hours	اکائی اوّل-نصاب کا تعارف-افسانوی نثر-صنف ناول-تعارف-ناول کے اجزا	تدریس وتفہیم اہم نکات	نوٹس	
Oct	II	6 Hours	اردو ناول کا آغاز وارتقا-منشی پریم چند سوانحی خاکہ-پریم چند کی ناول نگاری خصوصیات	تدریس وتفہیم اہم نکات	نوٹس	
November	III	6 Hours	ناول ''نرملا''-اہمیت-مرکزی خیال تنقیدی جائزہ-خلاصہ	مطالعہ تدریس وتفہیم خلاصہ	مباحثہ	
Nov	IV	6 Hours	اکائی دوّم-ناول کا مرکزی کردار نرملا-تنقیدی جائزہ	تدریس وتفہیم جائزہ	تفویضی کام	
Nov	V	6 Hours	ناول کے اہم ذیلی کردار-منشی طوطارام-منسارام-تنقیدی جائزہ	تدریس وتفہیم جائزہ	کلاس روم سیمنار	
Nov	VI	6 Hours	اکائی سوم-نثری صنف افسانہ-تعارف-افسانے کے اجزا-اردو افسانہ آغاز وارتقا	تدریس وتفہیم اہم نکات	مباحثہ	
December	VII	6 Hours	افسانہ ''لال اور پیلا''-خواجہ احمد عباس-مصنف کا تعارف افسانے کا مطالعہ خلاصہ	مطالعہ تفہیم خلاصہ	نوٹس	
Dec	VIII	6 Hours	اکائی چہارم-افسانہ ''کمپیوٹر عشق''-جوگندر پال-مصنف کا تعارف افسانے کا مطالعہ خلاصہ	مطالعہ تفہیم خلاصہ	تفہیم نوٹس	Internals-1
Dec	IX	6 Hours	افسانہ ''وہ''-بلراج مین را-مصنف کا تعارف افسانے کا مطالعہ خلاصہ	مطالعہ تفہیم خلاصہ	مباحثہ	
Dec	X	6 Hours	اکائی پنجم-نثری صنف ڈراما-تعارف-ڈراما کے اجزا-اردو میں ڈراما کی روایت	تدریس وتفہیم اہم نکات	تفہیم نوٹس	
January 2023	XI	6 Hours	کرشن چندر-سوانحی خاکہ-کرشن چندر کی ڈراما نگاری-ڈراما دروازے کھول دو:اہمیت خلاصہ	مطالعہ تدریس وتفہیم خلاصہ	تفہیم نوٹس	
Jan	XII	6 Hours	مرکزی کردار پنڈت رام دیال-اہم ذیلی کردار کمل کانت-تنقیدی جائزہ	تدریس وتفہیم جائزہ	تفہیم نوٹس	Internals-2
Jan	XIII	6 Hours	اکائی اوّل-تا-اکائی پنجم:اہم نکات کا اعادہ	تدریس وتفہیم گفتگو	نوٹس مباحثہ	Revision

Classes commenced for Sem-I: 20-10-2022 | Semester End Examinations from: 01-02-2023

Holidays: pongal Holidays 11-01-2023 to 17-01-2023

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ANNUAL CURRICULAR PLAN [CBCS]
Academic Year 2022-23
Part-II : Core Subject : URDU Spl.
Paper-II : URDU Spl. [Course Code: RS22-2106]

Sem II : Paper II : Nasri Asnaf-2 : Course Code: RS22-2106 : Hours/Week: 6 Hours : Credits-4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
February 2023	I	6 Hours	اکائی اوّل-غیرافسانوی نثر-صنف'مضمون-تعارف'تکنیک'خصوصیات	تدریس وتفہیم'اہم نکات	نوٹس	
Feb	II	6 Hours	سرسیداحمدخان-سوانحی خاکہ-ادبی خدمات'خصوصیات'جائزہ	تدریس وتفہیم'اہم نکات	نوٹس	
March	III	6 Hours	مضمون''رسم ورواج''(منتخب حصہ'تلخیص)-سرسید-مضمون کا مطالعہ'خلاصہ	مطالعہ'تدریس وتفہیم'خلاصہ	نوٹس	
Mar	IV	6 Hours	اکائی دوّم-صنف'انشائیہ-تعارف'تکنیک'خصوصیات-خواجہ حسن نظامی:سوانحی خاکہ	تدریس وتفہیم	تفویضی کام	
Mar	V	6 Hours	انشائیہ''جھینگر کا جنازہ''-خواجہ حسن نظامی-انشائیہ کا مطالعہ'خلاصہ	مطالعہ'تدریس وتفہیم'خلاصہ	کلاس روم سیمنار	
Mar	VI	6 Hours	اکائی سوم-صنف'خاکہ-تعارف'تکنیک'خصوصیات-رشیداحمدصدیقی:سوانحی خاکہ	تدریس وتفہیم	تفہیم'نوٹس	
April	VII	6 Hours	خاکہ''ڈاکٹرعبدالحق''-رشیداحمدصدیقی-خاکے کا مطالعہ'خلاصہ	مطالعہ'تدریس وتفہیم'خلاصہ	نوٹس	Internals-1
Apr	VIII	6 Hours	اکائی چہارم-صنف'سفرنامہ-تعارف'تکنیک'خصوصیات-مجتبیٰ حسین:سوانحی خاکہ	تدریس وتفہیم	تفہیم'نوٹس	
Apr	IX	6 Hours	سفرنامہ''بلٹ ٹرین میں کبھی نہ بیٹھو''(منتخب حصہ)-مجتبیٰ حسین-سفرنامے کا مطالعہ'خلاصہ	مطالعہ'تدریس وتفہیم'خلاصہ	مباحثہ	
Apr	X	6 Hours	اکائی پنجم-ترجمہ نگاری-تعارف'تکنیک'خصوصیات-ایلیٹ کی نظم کا تعارف	تدریس وتفہیم	تفہیم'نوٹس	
May	XI	6 Hours	ایلیٹ کی نظم The Waste Land کا ترجمہ'ارض ویراں(سیدسراج الدین)'خلاصہ	مطالعہ'تدریس وتفہیم'خلاصہ	تفہیم'نوٹس	
June	XII	6 Hours	اکائی اوّل-تا-اکائی سوم:اہم نکات کا اعادہ	تدریس وتفہیم'گفتگو	نوٹس'مباحثہ	Internals-2
Jun	XIII	6 Hours	اکائی چہارم-تا-اکائی پنجم:اہم نکات کا اعادہ	تدریس وتفہیم'گفتگو	نوٹس'مباحثہ	Revision

Classes commenced for Sem-II: 13-02-2023 | Semester End Examinations from: 22-06-2023

Holidays: Summer Vacations 08-05-2023 to 03-06-2023

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ANNUAL CURRICULAR PLAN [CBCS]
Academic Year 2022-23
Part-II : Core Subject : URDU Spl.
Paper-III : URDU Spl. [Course Code: RS22-3106]

Sem III : Paper III : Asnaf e Sukhan : Course Code: RS22-3106 : Hours/Week: 6 Hours : Credits-4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
October 2022	I	6 Hours	اکائی اوّل-صنف‘مثنوی-تعارف‘مثنوی کے اجزا-دیاشنکرنسیم‘تعارف‘سوانحی خاکہ	تدریس‘تفہیم‘اہم نکات	تفہیم‘نوٹس	
Oct	II	6 Hours	مثنوی ’’گلزارنسیم‘‘(آنا تاج الملوک کا صحرائے طلسم سے:منتخب اشعار)-مطالعہ‘تفہیم‘خلاصہ	مطالعہ‘تدریس وتفہیم‘خلاصہ	تفہیم	
November	III	6 Hours	اکائی دوّم-صنف‘مرثیہ-تعارف‘مرثیہ کے اجزا-میرانیس‘تعارف‘سوانحی خاکہ	تدریس‘تفہیم‘اہم نکات	مباحثہ	
Nov	IV	6 Hours	مرثیہ ’’نمک خوان تکلم.....‘‘(ابتدائی دس بند)-مطالعہ‘تفہیم‘خلاصہ	مطالعہ‘تدریس وتفہیم‘خلاصہ	تفویضی کام	
Nov	V	6 Hours	اکائی سوم-صنف‘قصیدہ-تعارف‘قصیدہ کے اجزا-محسن کاکوروی‘تعارف‘سوانحی خاکہ	تدریس‘تفہیم‘اہم نکات	کلاس روم سیمنار	
Nov	VI	6 Hours	قصیدہ نعتیہ ’’سمت کاشی سے چلا.....‘‘(منتخب اشعار)-مطالعہ‘تفہیم‘خلاصہ	مطالعہ‘تدریس وتفہیم‘خلاصہ	مباحثہ	
December	VII	6 Hours	اکائی چہارم-غزل-تعارف‘اہم خصوصیات-اردوغزل کا آغاز وارتقا	تدریس‘تفہیم‘اہم نکات	تفہیم‘نوٹس	
Dec	VIII	6 Hours	(۱)غالب-’’بس کہ دشوار ہے‘‘(۲)جگر-’’وہ ادائی دل بری ہو‘‘-مطالعہ‘تفہیم‘تشریح	مطالعہ‘تدریس وتفہیم‘تشریح	تفہیم‘نوٹس	Internals-1
Dec	IX	6 Hours	اکائی پنجم-صنف‘نظم-تعارف‘نظم کی اقسام‘اردونظم-علامہ اقبال‘تعارف‘سوانحی خاکہ	تدریس‘تفہیم‘اہم نکات	مباحثہ	
Dec	X	6 Hours	نظم ’’روح ارضی.....‘‘-نظم کا مطالعہ‘تفہیم‘خلاصہ	مطالعہ‘تدریس وتفہیم‘خلاصہ	تفہیم‘نوٹس	
January 2023	XI	6 Hours	صنف‘رباعی-تعارف‘خصوصیات-امجد حیدرآبادی‘تعارف‘سوانحی خاکہ	تدریس‘تفہیم‘اہم نکات	تفہیم‘نوٹس	
Jan	XII	6 Hours	(۱)رباعی-’’اس سینے میں‘‘(۲)رباعی-’’گرمی میں غم لبادہ‘‘-مطالعہ‘تفہیم‘تشریح	مطالعہ‘تدریس وتفہیم‘تشریح	مباحثہ	Internals-2
Jan	XIII	6 Hours	اکائی اوّل-تا-اکائی پنجم:اہم نکات کا اعادہ	تدریس‘تفہیم‘گفتگو	مباحثہ	Revision
Classes commenced for Sem-III: 20-10-2022 | Semester End Examinations from: 01-02-2023						
Holidays: pongal Holidays 11-01-2023 to 17-01-2023						

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ANNUAL CURRICULAR PLAN [CBCS]
Academic Year 2022-23
Part-II : Core Subject : URDU Spl.
Paper-IV : URDU Spl. [Course Code: RS22-4106]

Sem IV : Paper IV : Tareekh e Adab : Course Code: RS22-4106 : Hours/Week: 6 Hours : Credits-4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
February 2023	I	6 Hours	اکائی اوّل-دکنی دور-تعارف-ابتدائی زمانہ'خواجہ بندہ نوازؒ دیگر صوفیائے کرام	تدریس وتفہیم'اہم نکات	نوٹس	
Feb	II	6 Hours	دبستان گول کنڈہ-دبستان بیجاپور-عبوری دور:خصوصیات'اہم شعرا	تدریس وتفہیم'نوٹس	نوٹس	
March	III	6 Hours	اکائی دوّم-شمالی ہند میں اردو شاعری-ولی دکنی-متقدمین شعرا'ادبی اصلاحات	تدریس وتفہیم'اہم نکات	نوٹس	
Mar	IV	6 Hours	دبستان دہلی-پس منظر'خصوصیات'اہم شعر	تدریس وتفہیم	تفویضی کام	
Mar	V	6 Hours	دبستان لکھنؤ-پس منظر'خصوصیات'اہم شعر	تدریس وتفہیم'نوٹس	کلاس روم سیمنار	
Mar	VI	6 Hours	اکائی سوم-فورٹ ولیم کالج-پس منظر'ادبی خدمات'اہم مصنفین	تدریس وتفہیم'اہم نکات	مباحثہ	
April	VII	6 Hours	دارالترجمہ جامعہ عثمانیہ-پس منظر'ادبی خدمات'اہم مصنفین	تدریس وتفہیم'نوٹس	نوٹس	
Apr	VIII	6 Hours	اکائی چہارم-اہم ادبی تحریکیں-علی گڑھ تحریک-تعارف'سرسید کی ادبی اصلاحات'نئی اردو نثر	تدریس وتفہیم'اہم نکات	تفہیم'نوٹس	Internals-1
Apr	IX	6 Hours	ترقی پسند تحریک-تعارف'پس منظر'اصول'ترقی پسند تحریک کے اثرات	تدریس'تفہیم	مباحثہ	
Apr	X	6 Hours	جدیدیت کی تحریک-تعارف'پس منظر'اصول'جدیدیت کی تحریک کے اثرات	تدریس وتفہیم'نوٹس	تفہیم'نوٹس	
May	XI	6 Hours	اکائی پنجم-رائل سیما میں اردو شعروادب-تعارف'دکنی دور'شعری اصناف	تدریس وتفہیم'اہم نکات	تفہیم'نوٹس	
June	XII	6 Hours	رائل سیما میں اردو نثر:تحقیق'تنقید'افسانوی ادب-معاصر شاعری:غزل'نظم	تدریس وتفہیم'نوٹس	تفہیم'نوٹس	Internals-2
Jun	XIII	6 Hours	نظم:تنہائی-فیض احمد فیض:سوانحی خاکہ'جائزہ-نظم کا مطالعہ'خلاصہ	تدریس وتفہیم'گفتگو	مباحثہ	Revision

Classes commenced for Sem-IV: 13-02-2023 | Semester End Examinations from: 22-06-2023

Holidays: Summer Vacations 08-05-2023 to 03-06-2023

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ANNUAL CURRICULAR PLAN [CBCS]
Academic Year 2022-23
Part-II : Core Subject : URDU Spl.
Paper-V : URDU Spl. [Course Code: RS22-5106]

Sem IV : Paper V : Tanqeed : Course Code: RS22-5106 : Hours/Week: 5 Hours : Credits-4

MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
February 2023	I	6 Hours	اکائی اوّل-تنقید: تعارف، مفہوم، ضرورت اور اہمیت	تدریس وتفہیم، اہم نکات	نوٹس	
Feb	II	6 Hours	نقاد کے فرائض	تدریس وتفہیم	نوٹس	
March	III	6 Hours	اردو تنقید کے اوّلین نقوش، اہم تذکرے، خوبیاں اور خامیاں	تدریس وتفہیم، نوٹس	نوٹس	
Mar	IV	6 Hours	اکائی دوّم-مغربی تنقید کے اثرات، سرسید کی اصلاحات	تدریس وتفہیم، اہم نکات	تفویضی کام	
Mar	V	6 Hours	مولانا حالی کے تنقیدی نظریات-مقدمہ شعروشاعری کی اہمیت	تدریس وتفہیم	کلاس روم سیمنار	
Mar	VI	6 Hours	شعر کی خوبیاں، شاعری کے لیے لازمی شرائط، اردو اصناف سخن پر حالی کے اعتراضات، غزل	تدریس وتفہیم، اہم نکات	مباحثہ	
April	VII	6 Hours	اکائی سوم-تاثراتی تنقید-تعارف، اصول، خوبیاں، خامیاں، اردو میں تاثراتی تنقید	تدریس وتفہیم، اہم نکات	نوٹس	
Apr	VIII	6 Hours	سائنٹفک تنقید-تعارف، اصول، خوبیاں، خامیاں، اردو میں تاثراتی تنقید	تدریس وتفہیم، نوٹس	تفہیم، نوٹس	Internals-1
Apr	IX	6 Hours	اکائی چہارم-مارکسی تنقید-تعارف، اصول، خوبیاں، خامیاں، اردو میں تاثراتی تنقید	تدریس وتفہیم، اہم نکات	مباحثہ	
Apr	X	6 Hours	معاصر اردو تنقید-تعارف، جدیدیت کے اثرات، اصول، خوبیاں، خامیاں	تدریس وتفہیم، اہم نکات	تفہیم، نوٹس	
May	XI	6 Hours	اکائی پنجم-مجنوں گورکھ پوری، آل احمد سرور: تعارف، سوانحی خاکہ، ادبی تنقیدی نظریات	تدریس وتفہیم	تفہیم، نوٹس	
June	XII	6 Hours	احتشام حسین، شمس الرحمٰن فاروقی: تعارف، سوانحی خاکہ، ادبی تنقیدی نظریات	تدریس وتفہیم	تفہیم، نوٹس	Internals-2
Jun	XIII	6 Hours	اکائی اوّل-تا-اکائی پنجم: اہم نکات کا اعادہ	تدریس وتفہیم، گفتگو	مباحثہ	
Classes commenced for Sem-IV: 13-02-2023 | Semester End Examinations from: 22-06-2023						
Holidays: Summer Vacations 08-05-2023 to 03-06-2023						

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ANNUAL CURRICULAR PLAN [CBCS]
Academic Year 2022-23
Part-II : URDU Spl. : Skill Enhancecment Course
Paper-VI : Tareeqa Tadrees Urdu [RS22-6106 C]

Sem V : Paper-VI : Tareeqa Tadrees Urdu : Course Code: RS22-6106 C : Hours/Week: 6 Hours : Credits-4						
MONTH YEAR	**WEEK**	**H O U R S ALLOTTED**	**TOPIC**	**CURRICULAR ACTIVITY**	**CO-CURRICULAR ACTIVITY**	**REMARKS**
March 2023	I	6 Hours	اکائی اوّل-اردو تدریس کے مختلف طریقے: تحلیلی طریقہ، استدلالی طریقہ	تدریس وتفہیم، اہم نکات	نوٹس	
Mar	II	6 Hours	استخراجی طریقہ، تمثیلی طریقہ	تدریس وتفہیم، نوٹس	نوٹس	
April	III	6 Hours	اکائی دوّم-مختلف سطحوں پر اردو کی تدریس: ثانوی سطح، اعلی جماعتوں میں اردو کی تدریس	تدریس وتفہیم، اہم نکات	نوٹس	
Apr	IV	6 Hours	تعلیم بالغان، غیر اردو دان حضرات کے لیے اردو کی تدریس	تدریس وتفہیم، نوٹس	تفویضی کام	
Apr	V	6 Hours	اکائی سوم-افسانہ کی تدریس: تعارف، صنف افسانہ کی خصوصیات، اردو میں افسانہ کی روایت	تدریس وتفہیم، اہم نکات	کلاس روم سیمنار	
Apr	VI	6 Hours	افسانہ کی تدریس: موضوع، محرک، بلند خوانی، تفہیم، خلاصہ، عملی مشقیں	تدریس وتفہیم، نوٹس	مباحثہ	
May	VII	6 Hours	ناول کی تدریس: تعارف، صنف ناول کی خصوصیات، اردو میں ناول کی روایت	تدریس وتفہیم، نوٹس	نوٹس	
June	VIII	6 Hours	ناول کی تدریس: موضوع، محرک، بلند خوانی، تفہیم، خلاصہ، عملی مشقیں	تدریس وتفہیم، نوٹس	تفہیم، نوٹس	
Jun	IX	6 Hours	اکائی چہارم-غزل کی تدریس: تعارف، صنف غزل کی اہمیت اور خصوصیات، اردو غزل	تدریس وتفہیم، اہم نکات	مباحثہ	Internals-1
Jul	X	6 Hours	غزل کی تدریس: موضوع، محرک، بلند خوانی، ترنم، تفہیم، تشریح، عملی مشقیں	تدریس وتفہیم، نوٹس	تفہیم، نوٹس	
Jun	XI	6 Hours	اکائی پنجم-نظم کی تدریس: تعارف، صنف نظم کی خصوصیات، نظم کی اقسام، اردو نظم	تدریس وتفہیم، اہم نکات	تفہیم، نوٹس	
July	XII	6 Hours	نظم کی تدریس: موضوع، محرک، بلند خوانی، ترنم، تفہیم، تشریح، خلاصہ، عملی مشقیں	تدریس وتفہیم، نوٹس	تفہیم، نوٹس	Internals-2
Jul	XIII	6 Hours	اکائی اوّل-تا-اکائی پنجم: اہم نکات کا اعادہ	تدریس وتفہیم، گفتگو	مباحثہ	Revision
Classes commenced for Sem-V (B.A/B.Com): 16-03-2023 | Semester End Examinations from: 11-07-2023						
Holidays: Summer Vacations 08-05-2023 to 03-06-2023						

GOVT. COLLEGE FOR MEN (AUTONOMOUS)
[Re-accredited by NAAC:B+ Grade]
KADAPA-516004 (Andhra Pradesh)
DEPT. OF URDU
گورنمنٹ کالج برائے ذکور [خودمختارادارہ] : کڈپہ-۵۱۶۰۰۴ آندھراپردیش
www.gcmkadapa.ac.in e-mail: incharge.urdu@gcmkadapa.ac.in

ANNUAL CURRICULAR PLAN [CBCS]
Academic Year 2022-23
Part-II : URDU Spl. : Skill Enhancecment Course
Paper-VII : Taleemi Nafsiyath [RS22-7106 C]

Sem V : Paper-VII : Tleemi Nafsiyath : Course Code: RS22-7106 C : Hours/Week: 6 Hours : Credits-4						
MONTH YEAR	WEEK	H O U R S ALLOTTED	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULAR ACTIVITY	REMARKS
March 2023	I	6 Hours	اکائی اوّل-علم نفسیات، تعارف، مفہوم، اہمیت	تدریس وتفہیم، اہم نکات	نوٹس	
Mar	II	6 Hours	علم نفسیات بحیثیت سائنس، مشاہدہ، تجربہ	تدریس وتفہیم، نوٹس	نوٹس	
April	III	6 Hours	اکائی دوّم-تعلیم اور نفسیات کا باہمی تعلق	تدریس وتفہیم، اہم نکات	نوٹس	
Apr	IV	6 Hours	تعلیمی نفسیات: نصاب، مدرسہ، طلبہ کی نفسیات	تدریس وتفہیم، نوٹس	تفویضی کام	
Apr	V	6 Hours	اکائی سوم-تعلیمی نفسیات کی اہم شاخیں: نفسیات اطفال	تدریس وتفہیم، اہم نکات	کلاس روم سیمنار	
Apr	VI	6 Hours	نفسیات اختلال	تدریس وتفہیم، نوٹس	مباحثہ	
May	VII	6 Hours	سماجی نفسیات	تدریس وتفہیم، نوٹس	نوٹس	
June	VIII	6 Hours	تعلیمی نفسیات	تدریس وتفہیم، نوٹس	تفہیم، نوٹس	
Jun	IX	6 Hours	اکائی چہارم-نفسیات، شخصیت اور سیرت: شخصیت کے اوصاف	تدریس وتفہیم، اہم نکات	مباحثہ	Internals-1
Jul	X	6 Hours	شخصیت کی نشوونما، فرائڈ کا نظریہ	تدریس وتفہیم، نوٹس	تفہیم، نوٹس	
Jun	XI	6 Hours	اکائی پنجم-نفسیات، تعلیم اور رہ نمائی: مطالعہ، محرکہ اور دل چسپی میں رہ نمائی	تدریس وتفہیم، اہم نکات	تفہیم، نوٹس	
July	XII	6 Hours	مدارس میں تعلیمی اور حرفتی رہ نمائی، تعاون اور تحریک میں رہ نمائی	تدریس وتفہیم، نوٹس	تفہیم، نوٹس	Internals-2
Jul	XIII	6 Hours	اکائی اوّل-تا-اکائی پنجم: اہم نکات کا اعادہ	تدریس وتفہیم، گفتگو	مباحثہ	Revision
Classes commenced for Sem-V (B.A/B.Com): 16-03-2023 | Semester End Examinations from: 11-07-2023						
Holidays: Summer Vacations 08-05-2023 to 03-06-2023						

Government College for Men (Autonomous):Kadapa

Government College for Men (Autonomous):Kadapa

Department of SANSKRIT

Teaching Plan

अमृतवाणी-1

Year: 2022 - 2023 | 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	October & V	04	आर्यपादुकाभिषेकः	उपन्यास	श्लो'	
2	November & I	04	आर्यपादुकाभिषेकः	उपन्यास		
3	November & II	04	आर्यपादुकाभिषेकः	उपन्यास	श्लोकपठन	
4	November & III	04	यक्षप्रश्नाः	प्रश्नोत्तर	श्लोकपठन	
5	November & IV	04	यक्षप्रश्नाः	प्रश्नोत्तर	श्लोकपठन	
6	November & V	04	यक्षप्रश्नाः	प्रश्नोत्तर	असैनमेन्ट	
7	December & I	04	मेवाड़राज्यस्थापनम्	उपन्यास	असैनमेन्ट	
8	December & II	04	मेवाड़राज्यस्थापनम्	उपन्यास	सेमिनार	
9	December & III	04	विवेकानन्दसूक्तयः	विवरण	सेमिनार	
10	December & IV	04	विवेकानन्दसूक्तयः	विवरण	विमर्श	
11	December & V	04	अयुक्ते देहे पापपुण्ये - इहैव कर्ममहत्त्वं	कथाकथन	अभिनय उपन्यास	
12	January & I	04	अयुक्ते देहे पापपुण्ये: इहैव कर्ममहत्त्वं	कथाकथन	सेमिनार	
13	January & III	04	शूद्रकवीरवरकथा	उपन्यास	सेमिनार	
14	January & IV	04	शूद्रकवीरवरकथा	उपन्यास	सेमिनार	
15	January & V	04	शूद्रकवीरवरकथा	उपन्यास	संगपरिचर्चा	
16	February & I	04	व्याकरणविभागः	उपन्यास	ग्रूपडिस्कशन	
17	February & II	04	व्याकरणविभागः	उपन्यास	ग्रूपडिस्कशन	

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

Year: 2022 - 2023
No. of hour per week: 4

Semester: II अमृतवाणी - 2
Total hours/credits:60/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	March I week	04	इन्दुमती स्वयंवरम्	उपन्यास		
2	" II week	04	इन्दुमती स्वयंवरम्	उपन्यास		
3	III week	04	इन्दुमती स्वयंवरम्	उपन्यास	उच्चैःपठनम्	
4	IV week	04	शिवमेध्यो दीक्षाप्रदानम्	उपन्यास	उच्चैःपठनम्	
5	April I week	04	शिवमेध्यो दीक्षाप्रदानम्	उपन्यास	सेमिनार	
6	II week	04	गङ्गावतरणम्	उपन्यास	असैनमेन्ट	
7	III week	04	गङ्गावतरणम्	उपन्यास	असैनमेन्ट	
8	IV week	04	मोहापनोदः	उपन्यास	अतिथि उपन्यास	
9	May I week	04	मोहापनोदः	उपन्यास	ग्रूप डिस्कशन	
10	II week	04	मोहापनोदः	उपन्यास	सेमिनार	
11	III week	04	वन्देकाश्मीरभारतम्	उपन्यास	संस्कृतभाषण/[illegible]	
12	IV week	04	वन्देकाश्मीरभारतम्	उपन्यास	[illegible]	
13	June I week	04	अवन्तिसुन्दरिकथा	उपन्यास	[illegible]	
14	II week	04	अवन्तिसुन्दरिकथा	उपन्यास	प्रोजेक्ट वर्क	
15	III week	04	चारुदत्तचरितम्	उपन्यास	[illegible]	
16		04	चारुदत्तचरितम्	उपन्यास	[illegible]	
17	June 3rd	04	व्याकरणम्	उपन्यास		

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

Year: 2022 - 2023
No. of hour per week: 4

Semester: III अमृतवाणी -3
Total hours/credits:60/3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	October & V	04	मध्यमव्यायोगः	नाटकपद्धतिः		
2	November & I	04	मध्यमव्यायोगः	नाटकपद्धतिः		
3	November & II	04	मध्यमव्यायोगः	नाटकपद्धतिः		
4	November & III	04	मध्यमव्यायोगः	नाटकपद्धतिः		
5	November & IV	04	अङ्कुलपञ्जम्	नाटकपद्धतिः	असैन्मेन्ट्	
6	November & V	04	अङ्कुलपञ्जम्	नाटकपद्धतिः	[illegible]	
7	December & I	04	अङ्कुलपञ्जम्	नाटकपद्धतिः	असैनमेन्ट्	
8	December & II	04	उपनिषद् - इकारकथा	उपन्यास	सेमिनार	
9	December & III	04	उपनिषद् - इकारकथा	उपन्यास	ग्रूप् डिस्कशन्	
10	December & IV	04	छन्दत्रयविभागः	उपन्यास	सेमिनार्	
11	December & V	04	छन्दत्रयविभागः	उपन्यास	श्लोकपठनम्	
12	January & I	04	छन्दत्रयविभागः	उपन्यास	श्लोकपठनम्	
13	January & III	04	अलङ्काराः	उपन्यास	क्विज्	
14	January & IV	04	अलङ्काराः	उपन्यास	सेमिनार	
15	January & V	04	महाकवि शास्त्रकारविभागः	उपन्यास	[illegible]	
16	February & I	04	व्याकरण विभागः	उपन्यास	[illegible]	
17	February & II	04	पुनश्चरणम्	उपन्यास		

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

Year: 2022 - 2023 Semester: I
No. of hour per week: 4 Total hours/credits: 60

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	October & V	04	हिन्दी निबंध का परिचय एवं विकास		Assignment	
2	November & I	04	साहित्य की महत्ता -महावीर प्रसाद द्विवेदी		Seminar	
3	November & II	04	मित्रता -आचार्य रामचन्द्र शुक्ल			
4	November & III	04	नाखून क्यों बढ़ते हैं -हजारी प्रसाद द्विवेदी		Assignment	
5	November & IV	04	हिन्दी कहानी की शुरुवात एवं उसका विकास			
6	November & V	04	प्रेमचंद एवं उनका युग और हिन्दी कहानी		Seminar	
7	December & I	04	मुक्तिधन- प्रेमचंद			
8	December & II	04	पुरस्कार -जयशंकर प्रसाद			
9	December & III	04	भोला राम का जीव - हरि शंकर परिसाई		Assignment	
10	December & IV	04	व्याकरण -लिंग ,वचन			
11	December & V	04	काल ,वाच्य ,वाक्यों की शुद्धि		Seminar	
12	January & I	04	शब्द -विलोम		Quiz	
13	January & III	04	वाक्यों की शुद्धि ,अंग्रेजी -हिन्दी शब्द			
14	January & IV	04	कार्यालयीन हिन्दी शब्दावली		Assignment	
15	January & V	04	पत्र -लेखन			
16	February & I	04	पुराने पेपर का हल			
17	February & II	04	परीक्षा की तैयारी			

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

Teaching Plan
General Hindi

Year: 2022 - 2023 Semester: II

No. of hour per week: 4 Total hours/credits: 60

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	March & I	04	हिन्दी निबंध का विकास			
2	March & II	04	साहित्य और संस्कृति का परस्पर संबंध-डॉ जी सुंदर रेड्डी			
3	March & III	04	भारत एक है- रामधारी सिंह दिनकर		Assignment	
4	March & IV	04	एच आई वी / एड्स -श्री मती साधना मौर्या		Seminar	
5	March & V	04	हिन्दी कहानी की उत्तपति एवं विकास		Assignment	
6	April & II	04	डिप्टी कॉलेक्टरी - अमरकांत		Seminar	
7	April & III	04	वापसी - उषा प्रियंबदा			
8	April & IV	04	भूख हड़ताल -बाल शौरी रेड्डी		Assignment	
9	April & V	04	व्याकरण , संधि, अंग्रेजी से हिन्दी अनुवाद			
10	May & I	04	कार्यालय हिन्दी , अंग्रेजी -हिन्दी		Seminar	
11	June & II	04	हिन्दी शब्दों का वाक्य में प्रयोग			
12	June & III	04	पत्र -लेखन		Assignment	

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

Year: 2022 - 2023 Semester: III

No. of hour per week: 4 Total hours/credits: 60

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	October & V	04	काल विभाजन और भक्तिकाल का परिचय			
2	November & I	04	कबीर दास -साखी			
3	November & II	04	सूरदास - बाल बर्डन		Assignment	
4	November & III	04	मातृभूमि - मैथिली शरण गुप्त			
5	November & IV	04	तोड़ती पत्थर -सूर्यकांत त्रिपाठी निराला		Seminar	
6	November & V	04	देश कागज पर बना नक्शा नहीं -सर्वेसर दयाल सक्सेना			
7	December & I	04	हिन्दी साहित्य का इतिहास		Assignment	
8	December & II	04	भक्तिकाल			
9	December & III	04	ज्ञानाश्रयी काव्य		Seminar	
10	December & IV	04	प्रेमाश्रयाई काव्य			
11	December & V	04	साधारण निबंध, बेकरी की समस्या			
12	January & I	04	समाचार पत्र ,साहित्य और समाज		Assignment	
13	January & III	04	कॉम्पुटर , पर्यावरण और प्रदूसन			
14	January & IV	04	अनुवाद , अंग्रेजी से हिन्दी		Quiz	
15	January & V	04	प्रयोजन मूलक हिन्दी, परिपत्र			
16	February & I	04	ज्ञापन		Seminar	
17	February & II	04	अधिसूचना			

Government College for Men KADAPA Autonomous

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Government College for Men (Autonomous), Kadapa

Biotechnology - Teaching Plan

Paper I: Biomolecules and Analytical Techniques

Year: 2022-23 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	Oct II	04	Classification, structure, properties of carbohydrates. Classification, structure and properties of amino acids, peptide bond and peptides.	Lecture, PPT	-
2	Oct III	04	Classification, structure (primary, secondary, tertiary, quaternary) and functions of proteins. Denaturation and renaturation of proteins.	Lecture & Demonstration	Assignment
3	Oct IV	04	Classification structure and properties of saturated and unsaturated fatty acids. Structure and functions of glycolipids, phospholipids, and cholesterol.	Lecture, PPT	Assignment
4	Nov I	04	Structure and functions of DNA and RNA. Free energy, entropy, enthalpy and redox potential.	Lecture, PPT	Seminar
5	Nov II	04	High energy compounds, Glycolysis, TCA cycle.	Lecture, PPT	
6	Nov III	04	Electron-Transport System and Oxidative Phosphorylation. Basic principles and types of centrifugations (Analytical and Preparative).	Lecture, Discussion	
7	Nov IV	04	Principle, instrumentation and application of paper TLC, ion exchange, gel permeation, affinity chromatography.	Lecture	
8	Dec I	04	Basic principles and types of electrophoresis, factors affecting electrophoretic migration. PAGE (Native, SDS-PAGE).	Discussion	Assignment
9	Dec II	04	Introduction to 2D & Isoelectric Focusing, Pulsed Field Gel Electrophoresis.	Lecture, PPT	Assignment
10	Dec III	04	Beer-Lambert law, light absorption and transmission. Extinction coefficient, Design and application of photoelectric colorimeter and UV-visible spectrophotometer.	Lecture	Seminar
11	Dec IV	04	Introduction to crystallography and application. Types and design of microscopes - compound, phase contrast, fluorescent, electron microscopy (TEM, SEM).	Lecture, Discussion	
12	Jan I	04	Introduction to radioisotopes, and autoradiography. Pros and Cons of usage of radioactive material in life sciences. Mean, median, mode	Lecture	
13	Jan II	04	standard deviation, One-way ANOVA, t-test,	Discussion	Assignment
14	Jan III	04	F-test and chi-square test	Lecture	
15	Jan IV	04	revision	Discussion	

Government College for Men (Autonomous), Kadapa

Teaching Plan
Paper II: Microbiology, Cell and Molecular Biology

Year: 2022-23 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	Feb 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	Feb III	04	Pure culture techniques. Sterilization techniques, principles and application of physical methods	Discussion, PPT	Seminar
3	Feb IV	04	chemical methods and radiation methods. Simple, gram and acid-fast staining.	Lecture, PPT	-
4	Mar 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	Mar 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	Mar III	04	Emerging and re-emerging viruses (dengue virus), zoonotic viruses (rabies), SARS-CoV-2. Introduction to fungi, algae and mycoplasma.	Discussion	Assignment
7	Mar IV	04	Structure, properties and functions of cellular organelles (Nucleus, E.R, Golgibodies, Mitochondria, Ribosomes, Chloroplast and Vacuoles) of eukaryotic cells	Discussion	
8	Apr I	04	Cell cycle and cell division (mitosis and meiosis). Chemical composition and dynamic nature of the membrane	Lecture	
9	Apr 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	Apr III	04	Mechanism of DNA replication, enzymes and protein involved in DNA replication	Lecture	Assignment
11	Apr IV	04	DNA damage and repair. Genetic code.	Lecture, PPT	seminar
12	May I	04	prokaryotic transcription, enzymes involved in transcription. Post-transcriptional modification (Capping Poly adenylation) and splicing.	Discussion, PPT	Assignment
13	Jun I	04	Translation: mechanism of translation in prokaryotic organisms.		-
14	Jun II	04	Regulation of gene expression in prokaryotes Lac operon concept.	Lecture, PPT	-
15	Jun III	04	Trp Operon and revision	Lecture	Assignment

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Paper III: Immunology and rDNA Technology

Year: 2022-23 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	Terminology, antigen, antibody and immunogenicity	Lecture, PPT	Seminar
2	Oct III	04	Types of immunity, Primary lymphoid organs	Demonstration	Assignment
3	Oct IV	04	Secondary lymphoid organs, Cells, tissues, MHC, Humoral ad Cell mediated immunity	Demonstration	Seminar
4	Nov I	04	Vaccines, adjuvants, hybridoma technology	Lecture, PPT	
5	Nov II	04	Antigen-antibody interactions, hypersensitivity, autoimmunity	Lecture, PPT	Assignment
6	Nov III	04	Data bases, Nucleotide and protein, BLAST analysis	Lecture, PPT	Seminar
7	Nov IV	04	ClustalW, Phylogenetic tree construction, Steps involved in cloning	Lecture	
8	Dec I	04	Vectors	Demonstration	Assignment
9	Dec II	04	Restriction endonucleases, Ligases, OCR, Southern blotting	Lecture,PPT	
10	Dec III	04	DNA sequencing, cDNA construction	Lecture	Assignment
11	Dec IV	04	Methods of transformation	Lecture, PPT	Seminar
12	Jan I	04	Recombinants selection	Lecture	Seminar
13	Jan II	04	Transgenic plants	Demonstration	Assignment
14	Jan III	04	Edible vaccines, Disease diagnosis	Lecture, Drill	
15	Jan IV	04	Disease diagnosis and revision	Lecture, Drill	Seminar

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Paper IV: Plant and Animal Biotechnology

Year: 2022-23 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	Totipotency, media preparation, Establishment of cultures	Discussion	-
2	Feb III	04	Secondary metabolites, Somatic embryogenesis	Lecture	Assignment
3	Feb IV	04	Cryopreservation, Agrobacterium mediated gene transfer	Lecture, PPT	Assignment
4	Mar I	04	Hairy roots, Ri plasmid, Transgenic plants as bioreactors	Lecture	
5	Mar II	04	Herbicide, insect resistance	Lecture, PPT	Assignment
6	Mar III	04	Molecular markers, DNA finger printing applications	Discussion	Seminar
7	Mar IV	04	Animal cell culture media preparation, reagents, primary and secondary cell culture	Discussion	Seminar
8	Apr I	04	Stem cells, applications, cryopreservation	Lecture	Assignment
9	Apr II	04	Transfection methods, its applications	Lecture	Assignment
10	Apr III	04	Production of vaccine	Lecture, PPT	Seminar
11	Apr IV	04	IVF in farm animals, Gene therapy, Concepts of transgenic animals	Lecture	
12	May I	04	Precipitation, agglutination, complement fixation,	Lecture, PPT	Assignment
13	Jun I	04	Bioethics, CPCSEA guidelines	Lecture	
14	Jun II	04	Biosafety levels, cabinets	Lecture, PPT	Assignment
15	Jun III	04	IPR and revision	Discussion	

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Paper V: Environmental and Industrial Biotechnology

Year: 2022-23 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	Environmental pollution, Types of pollution	Lecture	-
2	Feb III	04	Pollution control through biotechnological methods	Lecture	Seminar
3	Feb IV	04	Water pollution, Aerobic treatment	Demonstration	Assignment
4	Mar I	04	anaerobic treatment	Lecture, PPT	
5	Mar II	04	Bioremediation of hydrocarbons, degradation of pesticides	Lecture, PPT	Assignment
6	Mar III	04	Role of genetically engineered microbes, phytoremediation	Lecture, PPT	Seminar
7	Mar IV	04	Biogas production	Lecture, PPT	Assignment
8	Apr I	04	Factors involved in biogas production	Lecture, PPT	
9	Apr II	04	Biofertilizers and vermicomposting	Lecture, PPT	Assignment
10	Apr III	04	Nano technology and its applications	Discussion	
11	Apr IV	04	Screening of industrially useful microbes, Preservation	Discussion, Drill	Seminar
12	May I	04	Strain Improvement, fermenter design, applications	Lecture	Assignment
13	Jun I	04	Production of citric acid, glutamic acid	Discussion	Seminar
14	Jun II	04	Cheese, Wine	Lecture, PPT	Assignment
15	Jun III	04	Penicillin and revision	Lecture, PPT	

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Paper VI: Organic Farming

Year: 2022-23 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	Nov III	04	Definition, soil formation, composition and characteristics	Lecture	-
2	Nov IV	04	Types of soils. Distribution of soil groups in India. Acidic, Alkaline and heavy metal contaminated soil	Lecture	Seminar
3	Dec I	04	Methods of reclamation. Effects of chemical dependent farming on yield and soil health.	Demonstration	Assignment
4	Dec II	04	Macro and micro nutrients, functions of nutrients in plant growth and development. Nutrient uptake and utilization by plant	Lecture, PPT	
5	Dec III	04	Types of fertilizers. Organic, inorganic and bio fertilizers	Lecture, PPT	Assignment
6	Dec IV	04	Chemical fertilizer. Advantages & disadvantages of their use. Importance of organic and bio fertilizers.	Lecture, PPT	Seminar
7	Jan I	04	Definition, concept, benefits of organic farming. Integrated farming system (combination of organic and inorganic). Mixed farming system.	Lecture, PPT	Assignment
8	Jan III	04	Concept of different cropping systems in relation to organic farming, Inter cropping, crop rotation. Organic farming process	Lecture, PPT	
9	Jan IV	04	Organic fertilizers, crop nutrients and effective microorganisms in Organic farming.	Lecture, PPT	Assignment
10	Feb I	04	Definition, types of compost, farm yard compost, green leaf compost, compost from animal waste.	Discussion	
11	Feb II	04	Vermi compost: Introduction, vermi composting material, species of earthworms, small scale, large scale composting process.	Discussion, Drill	Seminar
12	Feb III	04	Vermi castings, harvesting, processing and drying. Nutrient content of vermi compost. Field application methods.	Lecture	Assignment
13	Feb IV	04	Introduction, status and scope. Structure and characteristic features of bacterial bio fertilizers	Discussion	Seminar
14	Mar I	04	Cynobacterial biofertilizers- fungal biofertilizers- AM mycorrhiza	Lecture, PPT	Assignment
15	Mar II	04	Ectomycorrhiza and Revision	Discussion	

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Paper VII: Biofertilizers and biopesticides production

Year: 2022-23 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	Nov III	04	Introduction, history, concept, scope of bio fertilizers in India. Classification, microorganisms used as bio fertilizers	Lecture	-
2	Nov IV	04	Bacterial, fungal and algal bio fertilizers. Symbiotic and asymbiotic microorganisms.	Lecture	Assignment
3	Dec I	04	Mechanism of nodulation and nitrogen fixation	Demonstration	
4	Dec II	04	Importance, types, characteristic features of ecto and endo mycorrhiza	Lecture, PPT	Seminar
5	Dec III	04	Mechanism of phosphorus solubilisation. Uptake of phosphates by the roots.	Lecture, PPT	Assignment
6	Dec IV	04	Consortium based inoculums and significance. Definition, concept, history, scope and importance of bio pesticides	Lecture, PPT	
7	Jan I	04	Classification - botanicals, bacterial, fungal and viral based bio pesticides.	Lecture, PPT	Seminar
8	Jan III	04	Mechanism of action of *Bacillus thuringiensis* and *Trichoderma viridae*as bio control agents.	Lecture, PPT	
9	Jan IV	04	Media, types, preparation. Methods of isolation, streak plate, spread plate and pour plate techniques	Lecture, PPT	Assignment
10	Feb I	04	purification and identification of microorganisms used as bio fertilizers and bio pesticides	Discussion	
11	Feb II	04	Mass production and packing techniques.	Discussion,	Seminar
12	Feb III	04	Preparation of carrier-based inoculum. Sphagnum, peat, vermiculite as inoculums carriers.	Lecture	
13	Feb IV	04	Dosage standardization	Discussion	
14	Mar I	04	Seed treatment, foliar application, root dressing and soil application techniques	Lecture, PPT	Assignment
15	Mar II	04	Storage and maintenance of inoculum and revision	Discussion	

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BOTANY – Annual Curricular Plan

Paper-I: Fundamentals of Microbes and Non-vascular Plants

Year: 2022-23 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	Oct II	04	Unit – 1: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	Oct III	04	Shape and symmetry of viruses; structure of TMV and Gemini virus; multiplicationof TMV; A brief account of Prions and Viroids.	Lecture & Demonstration	Assignment
3	Oct IV	04	A general account on symptoms of plant diseases caused by Viruses. Significance of viruses in vaccine production,bio-pesticides and as cloning vectors.	Lecture, PPT	Assignment
4	Nov I	04	Unit – 2:Special groups of Bacteria and Eubacteria Brief account of Archaebacteria, ActinomycetesandCyanobacteria	Lecture, PPT	Seminar
5	Nov II	04	Cell structure of Eubacteria., Reproduction- Asexual (Binary fission and endospores) and bacterial recombination (Conjugation, Transformation,Transduction).	Lecture, PPT	
6	Nov III	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; Citrus canker.	Lecture, Discussion	
7	Nov IV	04	Unit – 3: Fungi & Lichens. General characteristics of fungi and Ainsworth classification (upto classes). Structure, reproductionand life history of(a)Rhizopus(Zygomycota).	Lecture	
8	Dec I	04	Structure, reproductionand life history of Puccinia (Basidiomycota). Economic uses of fungi in food industry, pharmacy and agriculture.	Discussion	Assignment
9	Dec II	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	Dec III	04	Unit – 4: Alga :General characteristics of Algae (pigments, flagella and reserve food material);Fritsch classification (upto classes). Thallus organization in Algae.	Lecture	Seminar
11	Dec IV	04	Occurrence, structure, reproduction and life cycle of (a) Spirogyra (Chlorophyceae) and (b) Polysiphonia (Rhodophyceae).	Lecture, Discussion	
12	Jan I	04	Economic importance of Algae	Lecture	
13	Jan II	04	Unit – 5:Bryophytes General characteristics of Bryophytes; classification upto classes.	Discussion	Assignment
14	Jan III	04	Occurrence, morphology, anatomy, reproduction (developmental details are not needed) and life cycle of (a) Marchantia (Hepaticopsida) and (b) Funaria(Bryopsida).	Lecture	

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Paper-II: Basics of Vascular plants and Phytogeography

Year: 2022-23 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	Feb II	04	Unit – 1:Pteridophyte General characteristics of Pteridophyta; classification of Smith (1955) uptodivisions.	Lecture, PPT	Assignment
2	Feb III	04	Occurrence, morphology,anatomy, reproduction (developmental details are notneeded) and life historyof (a) Lycopodium (Lycopsida) and (b) Marsilea (Filicopsida).	Discussion, PPT	Seminar
3	Feb IV	04	Stelar evolution in Pteridophytes; Heterospory and seed habit	Lecture, PPT	-
4	Mar I	04	Unit – 2:Gymnosperm General characteristics of Gymnosperms; Sporneclassification uptoclasses.	Lecture	-
5	Mar II	04	Occurrence, morphology, anatomy, reproduction (developmental details are not needed) and life history of (a) Cycas(Cycadopsida) and (b) Gnetum (Gnetopsida).	Lecture,	Assignment
6	Mar III	04	Outlines of geological time scale. A brief account on Cycadeoidea.	Discussion	Assignment
7	Mar IV	04	Unit – 3:Aim and scope of taxonomy; Species concept: Taxonomic hierarchy, species, genus and family. Plant nomenclature: Binomial system, ICBN- rules for nomenclature	Discussion	
8	Apr I	04	Herbarium and its techniques,BSI herbarium and Kew herbarium; concept of digital herbaria. Types of classification; Bentham and Hooker system of classification,	Lecture	
9	Apr II	04	Systematic description and economic importance of the following families: (a)Annonaceae (b) Curcurbitaceae	Lecture, PPT	
10	Apr III	04	Unit – 4: Systematic description and economic importance of the following families: (a)Asteraceae (b) Asclepiadaceae (c)Amaranthaceae	Lecture	Assignment
11	Apr IV	04	Systematic description and economic importance of the following families: (d) Euphorbiaceae (e) Arecaceae (f) Poaceae	Lecture, PPT	seminar
12	May I	04	Outlines of Angiosperm Phylogeny Group (APG IV).	Discussion, PPT	Assignment
13	Jun I	04	Unit – 5:Principles of Phytogeography, Distribution (wides, endemic, discontinuous species) Endemism – types and causes.		-
14	Jun II	04	Phytogeographic regions of World. Phytogeographic regions of India	Lecture, PPT	-
15	Jun III	04	Vegetation types in Andhra Pradesh.	Lecture	Assignment

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Paper-III: Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity

Year: 2022-23 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	Unit – 1: Anatomy of Angiosperms :Organization of apical meristems: Tunica-carpus theory and Histogen theory.	Lecture, PPT	Seminar
2	Oct III	04	Tissue systems–Epidermal, ground and vascular	Demonstration	Assignment
3	Oct IV	04	Anomalous secondary growth in Boerhaavia and Dracaena. Study of timbers of economic importance - Teak, Red sanders and Rosewood	Demonstration	Seminar
4	Nov I	04	Unit – 2: Embryology of Angiosperms Structure of anther, anther wall, types of tapetum. Microsporogenesis and development of male gametophyte.	Lecture, PPT	
5	Nov II	04	2Structure of ovule, megasporogenesis; monosporic (Polygonum), bisporic (Allium) and tetrasporic (Peperomia) types of embryo sacs. Outlines of pollination, pollen – pistil interaction and fertilization.	Lecture, PPT	Assignment
6	Nov III	04	Endosperm - Types and biological importance - Free nuclear, cellular,helobialand ruminate. Development of Dicot (Capsella bursa-pastoris) embryo	Lecture, PPT	Seminar
7	Nov IV	04	Unit – 3: Ecology: definition, branches and significance of ecology. Ecosystem: Concept and components, energy flow, food chain, food web, ecological pyramids.	Lecture	
8	Dec I	04	Plants and environment: Climatic (light and temperature), edaphic and biotic factors.	Demonstration	Assignment
9	Dec II	04	Ecological succession: Hydrosere and Xerosere	Lecture,PPT	
10	Dec III	04	Unit – 4: Population ecology: Natality, mortality, growth curves, ecotypes, ecads	Lecture	Assignment
11	Dec IV	04	Community ecology: Frequency, density, cover, life forms, biological spectrum	Lecture, PPT	Seminar
12	Jan I	04	Concepts of productivity: GPP, NPP and Community Respiration Secondary production, P/R ratio	Lecture	Seminar
13	Jan II	04	Unit – 5:Biodiversity: Basic concepts, Convention on Biodiversity - Earth Summit. Value of Biodiversity; types and levels of biodiversity and Threats to biodiversity	Demonstration	Assignment
14	Jan III	04	Biodiversity Hot spots in India.Biodiversity in North Eastern Himalayas and Western Ghats	Lecture, Drill	
15	Jan IV	04	Principles of conservation: IUCN threat-categories, RED data book Role of NBPGR and NBA in the conservation of Biodiversity	Lecture, Drill	Seminar

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Paper-IV: Plant Physiology and Metabolism

Year: 2022-23 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	Unit – 1: Plant-Water relation :Importance of water to plant life, physical properties of water, diffusion, imbibition, osmosis. Water potential, osmotic potential, pressure potential.	Discussion	-
2	Feb III	04	Absorption and lateral transport of water; Ascent of sap Transpiration: stomata structure and mechanism of stomatal movements (K+ ion flux).	Lecture	Assignment
3	Feb IV	04	Mechanism of phloem transport; source-sink relationships.	Lecture, PPT	Assignment
4	Mar I	04	Unit – 2: Essential macro and micro mineral nutrients and their role in plants; symptoms of mineral deficiency Absorption of mineral ions; passive and active processes.	Lecture	
5	Mar II	04	Characteristics, nomenclature and classification of Enzymes. Mechanism of enzyme action, enzyme kinetics.	Lecture, PPT	Assignment
6	Mar III	04	Respiration: Aerobic and Anaerobic; Glycolysis, Krebs cycle; electron transport system, mechanism of oxidative phosphorylation, Pentose Phosphate Pathway (HMP shunt).	Discussion	Seminar
7	Mar IV	04	Unit – 3: Photosynthesis: Photosynthetic pigments, absorption and action spectra; Red drop and Emerson enhancement effect	Discussion	Seminar
8	Apr I	04	Concept of two photosystems; mechanism of photosynthetic electron transport and evolution of oxygen; photophosphorylation	Lecture	Assignment
9	Apr II	04	Carbon assimilation pathways (C3,C4 and CAM); Photorespiration - C2 pathway	Lecture	Assignment
10	Apr III	04	Unit – 4: Nitrogen metabolism: Biological nitrogen fixation – asymbiotic and symbiotic nitrogen fixing organisms. Nitrogenase enzyme system.	Lecture, PPT	Seminar
11	Apr IV	04	Lipid metabolism: Classification of Plant lipids, saturated and unsaturated fatty acids.	Lecture	
12	May I	04	Anabolism of triglycerides, β-oxidation of fatty acids, Glyoxylate cycle	Lecture, PPT	Assignment
13	Jun I	04	Unit – 5: Growth and Development: Definition, phases and kinetics of growth.	Lecture	
14	Jun II	04	Physiological effects of Plant Growth Regulators (PGRs) - auxins, gibberellins, cytokinins, ABA, ethylene and brassinosteroids	Lecture, PPT	Assignment

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Zoology – Annual Curricular Plan
Paper-V: Cell Biology, Genetics and Plant Breeding

Year: 2022-23 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	Unit – 1: Cell theory; prokaryotic vs eukaryotic cell;animal vs plant cell; a brief account on ultra-structure of a plant cell.	Lecture	-
2	Feb III	04	Ultra-structure of cell wall. Ultra-structure of plasma membrane and various theories on its organization.	Lecture	Seminar
3	Feb IV	04	Polymorphic cell organelles (Plastids); ultrastructure of chloroplast. Plastid DNA.	Demonstration	Assignment
4	Mar I	04	Unit – 2: Prokaryotic vs eukaryotic chromosome. Morphology of a eukayotic chromosome. Euchromatin and Heterochromatin; Karyotype and ideogram.	Lecture, PPT	
5	Mar II	04	Brief account of chromosomal aberrations - structural and numerical changes	Lecture, PPT	Assignment
6	Mar III	04	Organization of DNA in a chromosome (solenoid and nucleosome models).	Lecture, PPT	Seminar
7	Mar IV	04	Unit – 3:Mendel's laws of inheritance. Incomplete dominance and co-dominance; Multiple allelism.	Lecture, PPT	Assignment
8	Apr I	04	Complementary, supplementary and duplicate gene interactions (plant based examples are to be dealt).,A brief account of linkage and crossing over; Chromosomal mapping - 2 point and 3 point test cross.	Lecture, PPT	
9	Apr II	04	Concept of maternal inheritance (Corren's experiment on Mirabilis jalapa); Mitochondrial DNA	Lecture, PPT	Assignment
10	Apr III	04	Unit – 4:Watson and Crick model of DNA. Brief account on DNA Replication (Semi-conservative method).	Discussion	
11	Apr IV	04	Brief account on Transcription, types and functions of RNA. Gene concept and genetic code and Translation	Discussion, Drill	Seminar
12	May I	04	Regulation of gene expression in prokaryotes - Lac Operon.	Lecture	Assignment
13	Jun I	04	Unit – 5: Plant Breeding and its scope; Genetic basis for plant breeding. Plant Introduction and acclimatization	Discussion	Seminar
14	Jun II	04	Definition, procedure; applications and uses; advantages and limitations of :(a) Mass selection, (b) Pure line selection and (c) Clonal selection. Hybridization – schemes, and technique; Heterosis(hybrid vigour).	Lecture, PPT	Assignment
15	Jun III	04	A brief account on Molecular breeding – DNA markers in plant breeding. RAPD, RFLP.	Lecture, PPT	

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Paper-: 6C: Plant Tissue Culture

Year: 2022-23 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	Nov III	04	Unit - 1: Basic concepts of plant tissue culture Plant tissue culture: Definition, history, scope and significance.	Lecture	-
2	Nov IV	04	Totipotency, differentiation, dedifferentiation, and redifferentiation; types of cultures	Lecture	Seminar
3	Dec I	04	Infrastructure and equipment required to establish a tissue culture laboratory	Demonstration	Assignment
4	Dec II	04	Unit - 2: Sterilization techniques and culture media Aseptic conditions – Fumigation, wet and dry sterilization, UV sterilization, ultrafiltration.	Lecture, PPT	
5	Dec III	04	Nutrient media: Composition of commonly used nutrient culture media with respect to their contents like inorganic chemicals, organic constituents, vitamins, amino acids etc.	Lecture, PPT	Assignment
6	Dec IV	04	Composition and preparation of Murashige and Skoog culture medium	Lecture, PPT	Seminar
7	Jan I	04	Unit - 3: Callus culture technique :Explant: Definition, different explants for tissue culture: shoot tip, axillary buds, leaf discs, cotyledons, inflorescence and floral organs, their isolation and surface sterilization; inoculation methods.	Lecture, PPT	Assignment
8	Jan III	04	Callus culture: Definition, various steps in callus culture.	Lecture, PPT	
9	Jan IV	04	Initiation and maintenance of callus - Growth measurements and subculture; soma clonal variations	Lecture, PPT	Assignment
10	Feb I	04	Unit – 4: Micropropagation :Direct and indirect morphogenesis organogenesis,role of PGRs; somatic embryogenesis and synthetic seeds.	Discussion	
11	Feb II	04	Greenhouse hardening unit operation and management; acclimatization and hardening of plantlets - need, process, packaging, exports	Discussion, Drill	Seminar
12	Feb III	04	Pathogen (Virus) indexing- significance, methods, advantages, applications	Lecture	Assignment
13	Feb IV	04	Unit – 5: Applications of plant tissue culture Germplasm conservation: cryopreservation methods, slow growth, applications and limitations; cryoprotectants.	Discussion	Seminar
14	Mar I	04	Plant transformation techniques and bioreactors; production of secondary metabolites-optimization of yield, commercial aspects, applications, limitations	Lecture, PPT	Assignment
15	Mar II	04	3. Transgenic plants- gene transfer methods; BT cotton, Golden Rice	Discussion	

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Paper-7C: Mushroom Cultivation

Year: 2022-23 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	Nov III	04	Unit – 1: Introduction and value of mushrooms Mushrooms: Definition, structure of a mushroom and a brief account of life cycle; historical account and scope of mushroom cultivation; difference between edible and poisonous mushrooms	Lecture	-
2	Nov IV	04	Morphological features of any four edible mushrooms, Button mushroom (Agaric us Bosporus), Milky mushroom (Calocybe indica), Oyster mushroom (Pleurotus sajor-caju) and Paddy straw mushroom (Volvariella volvacea).	Lecture	Assignment
3	Dec I	04	Nutritional and medicinal value of edible mushrooms; Poisonous mushrooms - harmful effects.	Demonstration	
4	Dec II	04	Unit – 2: Basic requirements of cultivation system Small village unit and larger commercial unit; layout of a mushroom farm - location of building plot, design of farm, bulk chamber, equipment and facilities, pasteurization room and growing rooms.	Lecture, PPT	Seminar
5	Dec III	04	Compost and composting: Definition, machinery required for compost making, materials for compost preparation; Methods of composting- long method of composting and short method of composting.	Lecture, PPT	Assignment
6	Dec IV	04	Mushroom bed preparation; Factors affecting the mushroom bed preparation.	Lecture, PPT	
7	Jan I	04	Unit – 3: Spawning and casin .Spawn and spawning: Definition, facilities required for spawn preparation; preparation of spawn substrate	Lecture, PPT	Seminar
8	Jan III	04	Preparation of pure culture, media (PDA and Oatmeal agar media) used in raising pure culture; culture maintenance, storage of spawn.	Lecture, PPT	
9	Jan IV	04	Casing: Definition, Importance of casing mixture, Quality parameters of casing soil, different types of casing mixtures, commonly used materials.	Lecture, PPT	Assignment
10	Feb I	04	Unit – 4: Mushroom cultivation Raw material, compost, spawning, casing, cropping, and problems in cultivation	Discussion	

			(diseases, pests and nematodes, weed molds and their management strategies)		
11	Feb II	04	picking and packing for any Four of the following mushrooms: (a) Button mushroom (b) Oyster mushroom	Discussion,	Seminar
12	Feb III	04	picking and packing for any Four of the following mushrooms: (c) Milky mushroom and (d) Paddy straw mushroom	Lecture	
13	Feb IV	04	Unit – 5: Post harvest technology Short-term storage (Refrigeration - upto 24 hours) Long term Storage (canning, pickels, papads), drying, storage in saltsolutions.	Discussion	
14	Mar I	04	Food Preparation¬: Types of foods prepared from mushroom- Soup, cutlet, omlet, Samosa, pickels Papads	Lecture, PPT	Assignment
15	Mar II	04	Research Centres - National level and Regional level. ¬ Cost benefit ratio - Marketing in India and abroad, Export Value	Discussion	

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CURRICULAR PLAN 2022-23

Name of the Department: **Chemistry** SEM: V PAPER-VIB (Analytical methods in chemistry-1)

Name of the Lecturer: **K. Srinivasulu** Total hours/Credits: 60/2

S.NO	MONTH & WEEK	NO OF Hrs	TOPIC COVERED	CURRICULAR ACTIVITY	CO CURRICULAR ACTIVITY	REMARKS
1	**NOV** V Week	4+2	Concentration terms – Molarity , Molality, Normality, v/v, w/v, ppm and ppb, preparing solutions	Q &A	Basic laboratory safety rules	
2	**DEC** I Week	2+2	Standard solutions, Primary standards and secondary standards.	Q &A	World aids day ,National pollution control day, world soil day	
3	II Week	4+2	Description and use of common laboratory apparatus – Volumetric Flask, Burette, Pipette, calibration of standard flask, crucible, desiccator, separating funnel. Steps involved in chemical analysis.	Q& A, Seminar	Human rights day, Celebration of National Science day ,	
4	III Week	4+2	Principles of Volumetric analysis: Theories of Acid – Base indicators , redox, complex metric	Assignments	National energy conversation day, vijay diwas	
5	IV Week	4+2	Iodometric and Preceptation titration – choice of indicators for the saturartions.	Slip test, quiz	Carrier guidance	
6	V Week	4+2	Principles of gravimetric analysis: Precipitation, Coagulation, Peptization, Co Precipitation, post precipitation, Digestion, filtration	Group discussion	Good governance day	
7	**JANUARY** I Week	4+2	Types of Errors – Relative and absolute, significant figures and its importance Accuracy - Methods of expressing accuracy, classification of errors	Seminars	Student Seminars e-quiz (PG Coaching)	
8	II Week	2+2	Precision – methods of expressing Precision, Standard deviation and confidence interval.	assignments	National human trafficking awareness day	
9	III Week	2+2	Least square regression analysis, readability of balance.	Slip test	National youth day	

			Types of extractions: (1) Solvent extraction –Introduction, principle, techniques			
10	IV Week	3+2	Factors affecting solvent extractions, Batch extraction, continues extraction	Quiz on chromatographic techniques	International day of education, national voters day	
11	V Week	2+2	Counter current extraction Synergism. Application - Determination of Iron (III).	Preparation of laboratory reagents	Republic day, international customs day, world leprosy day	
12	**FEBRUARY** I Week	3+2	Determination of dissolved solids, total hardness of Water	Preparation of laboratory reagents	World cancer day	
13	II Week	4+2	Turbidity, alkalinity, Dissolved oxygen,	Motivation towards higher education	Student Seminars	
14	III	4+2	BOD, COD, determination of chloride using Mohr's method	Seminars	Student Study Projects	
15	IV	4+2	Explanation of previous question papers	Assignments	International mother language day	
16	V	2+2	Remedial coaching	Slip test	National science day	
17	**MARCH** I Week	3+2	Remedial coaching	Slip test	Motivation towards (Higher education)PG chemistry	
18	II Week	4+2	Remedial coaching Verification of Records.	Model exam	International women's day,	
19	III Week		Practical examinations			
20	IV, v week		Semester end examinations.			

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CURRICULAR PLAN 2022-23

Name of the Department: **Chemistry** SEM: V PAPER-V (INORGANIC, PHYSICAL & ORGANIC CHEMISTRY)

Name of the Lecturer: **Dr. B. Ramachnadra** Total hours/Credits: 60/2

S.NO	MONTH & WEEK	NO OF Hrs	TOPIC COVERED	CURRICULAR ACTIVITY	CO CURRICULAR ACTIVITY	REMARKS
1	**NOV** V Week	4+2	**Coordination Chemistry:** Complexes with coordination numbers 4 and 6. Valence Bond Theory (VBT): Inner and outer orbital complexes. Limitations of VBT, Crystal field effect, octahedral symmetry.	Q &A	Basic laboratory safety rules	
2	**DEC** I Week	2+2	y. Crystal field stabilization energy (CFSE), Crystal field effects for weak and strong fields. Tetrahedral symmetry, Factors affecting the magnitude of crystal field splitting energy,	Q &A	World aids day	
3	II Week	4+2	Spectrochemical series, Comparison of CFSE for Octahedral and Tetrahedral complexes, Applications of CFT.	Q & A, Seminar		
4	III Week	4+2	Introduction to inorganic reaction mechanisms. Concept of reaction pathways, transition state,intermediate and activated complex. Labile and inert complexes, ligand substitution reactions- SN1 and SN2 ,	Assignments	National energy conversation day	
5	IV Week	4+2	Substitution reactions in square planar complexes, Trans-effect, theories of trans effect and its applications. Thermodynamic stability and kinetic stability, factors affecting the stability of metal complexes, chelate effect, determination of composition of complex by Job's method.	Slip test, quiz	Carrier guidance	
6	V Week	4+2	Metal ions present in biological systems, classification of elements according to their action in biological system. Excess and deficiency of some trace metals	Group discussion		
7	**JANUARY** I Week	4+2	Toxicity of metal ions (Hg, Pb, Cd and As), reasons for toxicity, Use of chelating agents in medicine, Cisplatin as an anti-cancer drug. Iron and its	Seminars	Student Seminars e-quiz	

			application in bio-systems, Haemoglobin, Myoglobin.			
8	II Week	4+2	Concept of phase, components, degrees of freedom. Thermodynamic derivation of Gibbs phase rule. Phase diagram of one component system - water system, Study of Phase diagrams of Simple eutectic systems	assignments		
9	III Week	4+2	i) Pb-Ag system, de-silverisation of lead ii) NaCl-Water system, freezing mixtures. Specific conductance, equivalent conductance and molar conductance- Definition and effectof dilution. Cell constant.	Slip test	National youth day	
10	IV Week	4+2	Strong and weak electrolytes, Kohlrausch's law and its applications, Definition of transport number, determination of transport number by Hittorf's method. Debye- Huckel-Onsagar's equation for strong electrolytes (elementary treatment only),	Quiz on chromatographic techniques	national voters day	
11	V Week	4+2	Application of conductivity measurementsconductometric titrations. Electrochemical Cells- Single electrode potential,	Preparation of laboratory reagents	Republic day	
12	**FEBRUARY** I Week	4+2	Types of electrodes with examples, Calomel electrode, SHE ,Glass electrode and quinhydrone electrodes. Determination of EMF of a cell, Nernst equation, Applications of EMF measurements- Potentiometric titrations.	Preparation of laboratory reagents		
13	II Week	4+2	Derivation of integrated rate equations for zero, first and second order reactions. Half–life of a reaction. General methods fordetermination of order of a reaction. Concept of activation energy and its calculation from Arrhenius equation	Motivation towards higher education	Student Seminars	
14	III	4+2	Theories of Reaction Rates: Collision theory and Activated Complex theory of bimolecular reactions. Enzymecatalysis-Specificity, factors affecting enzyme catalysis, Inhibitors and Lock & key model.	Seminars	Student Study Projects	
15	IV	4+2	Remedial Coaching	Assignments		

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BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM 2022-23

Name of the Department: **Chemistry** SEM: III

Name of the Lecturer: **D. Ganesh** Total hours/Credits: 60/2

S.No	Month & Week	No Of Hours	Topic Covered	Curricular Activity	Co Curricular Activity	Remarks
1	OCTOBER III week	4+3	Explanation of fundamentals in chemistry Explanation of fundamentals in Spectroscopy	Teaching & Practicals	Basic concepts studied in intermediate	
2	OCTOBER IV week	4+3	Energy levels and selection rule, Vibrational transitions , Finger print region and Fermi resonance	Teaching & Practicals	Basic concepts studied in intermediate	
3	NOVEMB ER I week	4+3	IR spectrum of alkanes and alcohols IR spectra of aldehydes , ketones and carboxylic acids	Teaching & Practicals	Motivation towards (Higher education)	
4	II week	4+3	Molecular orbitals Selection rules in electronic transitions, Different shifts in UV spectroscopy	Teaching & Practicals	Basic concepts studied in intermediate	
5	III week	4+3	NMR spectroscopy introduction Chemical shift Spin spin coupling	Teaching & Practicals	Basic laboratory safety rules	
6	IV week	4+3	coupling constant Applications of NMR	Teaching & Practicals	Student seminar	
7	December I week	4+3	Alkyl halides preparation and properties	Teaching & Practicals	Group Discussion	
8	II week	4+3	SN1and SN2 reactions , Introduction of hydroxyl compounds	Teaching & Practicals	Student Study Projects	
9	III week	4+3	Alcohols preparation and properties and phenolic compounds	Teaching & Practicals	Student Study Projects	
10	IV week	4+3	Preparation and properties of Carbonyl compounds	Teaching & Practicals	Assignment	

11	V week	4+3	Condensation reactions of carbonyl compounds	Teaching & Practicals	Debate	
12	January I week	4+3	Named reactions of carbonyl compounds	Teaching & Practicals	Career guidance	
13	II week	4+3	Preparation and properties of carboxylic acids	Teaching & Practicals	Student seminar	
14	III week	4+3	PONGAL HOLIDAYS			
15	IV week	4+3	Synthetic applications of melonic ester and aceto acetic ester	Teaching & Practicals	Quiz	

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Name of the Department: **Chemistry** SEM: I
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 II week	4+2	Bridge Course- Basic concepts in Chemistry	Teaching & Practicals	Induction program Significance of Basic Sciences .	
2	NOVEMBER III week	5+2	Bridge Course- Basic concepts in Chemistry	Teaching & Practicals	Basic laboratory safety rules	
3	NOVEMBER IV week	5+2	Characteristic properties of d- block elements. Variable oxidation states and d-d transitions	Teaching & Practicals	Motivation towards (Higher education) PG chemistry	
4	NOVEMBER V week	5+2	Magnetic properties ,complex forming ability and catalytic properties of transition elements	Teaching & Practicals	Assignment	
5	DECEMBER I week	3+2	Introduction to f- block elements, Ln contraction characteristic properties of Lanthanides.	Teaching & Practicals	Periodic table quiz using www.sporacal.com	
6	DECEMBER II week	5+2	Characteristic properties of Actinides, comparison between d & f block elements	Teaching & Practicals	Construction of Molecular models(ball and stick models)	
7	DECEMBER III week	5+2	Theories of bonding in metals 1. Free electron theory 2.Valence bond theory 3. Molecular orbital theory.	Teaching & Practicals	Importance of World earth day	
8	DECEMBER IV week	5+2	p- block elements: preparation, properties and structure of Borazine and silicones. preparation, properties and structure of phosphonitrilic compounds.	Teaching & Practicals	Student Study Projects	

9	DECEMBER V week	5+2	Classification of oxides. preparation, properties and structure of interhalogen compounds. properties and structure of pseudo halogens.	Teaching & Practicals	Student Seminars	
10	JANUARY I week	5+2	Ideal solutions and non-ideal solutions. Raoult's law and Henry, law. Vapour pressure-composition and vapour pressure – temperature curves.	Teaching & Practicals	Assignments	
11	JANUARY II week	2+0	Azeotropes-HCl-H2O, ethanol-water systems, Fractional distillation. Partially miscible liquids-phenol-water system, trimethylamine -water systems.	Teaching & Practicals	Career guidance	
12	JANUARY III week	3+2	Effect of impurity on consolute temperature. Immiscible liquids and steam distillation.Nerns distribution law.	Teaching & Practicals	Online quiz	
13	JANUARY IV week	5+2	Colligative properties- Raoult,s law and its derivation, Ostwald's method for the determination of lowering of vapour pressure.	Teaching & Practicals	Online Quiz	
14	JANUARY V week	3+2	Depression in freezing point and its determination. Elevation of boiling point and its determination.	Teaching & Practicals	Assignments, PG Entrance coaching	
15	FEBRUARY I week	3+2	Osmosis and osmotic pressure. Determination of osmotic pressure.Vant Hoff' s coefficient. Abnormal molecular weights of non volatile solute.	Teaching & Practicals	Online Quiz, PG Entrance coaching	
16	FEBRUARY II week	5+2	Explanation of previous question papers Verification and certification of records	Teaching & Practicals	Student seminar, PG Entrance coaching	

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BASIC CURRICULAR FORMAT UNDER MODULAR AND CBCS SYSTEM 2022-23

Name of the Department: **Chemistry** SEM: II
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	**FEBRUARY** III Week	4+2	Concept of Inductive effect, Mesomeric effect and Applications of both effects.Concept of Hyperconjugation and its Application. General methods of preparation of alkanes.	Teaching & Practicals	Motivation towards (Higher education) chemistry	
2	IV Week	4+2	Chemical properties of alkanes, Freeradical substitution reactions, Conformational analysis of n-butane. General methods of preparation of cyclo alkanes.	Teaching & Practicals	Basic laboratory safety rules	
3	V Week	2+2	Relative stability of cycloalkanes, Baeyer strain theory, conformations with energy diagram.	Teaching & Practicals	Celebration of National Science	
4	**MARCH** I Week	2+2	General methods of preparation of alkenes, physical and chemical properties.	Teaching & Practicals	e-quiz on General chemistry	
5	II Week	4+2	Mechanism of EI and E2 reactions, Saytzeff and Hoffmann eliminations. Electrophilic addition reactions, Markownik off and anti Markownikoff rule	Teaching & Practicals	Assignments e-quiz	
6	III Week	4+2	Oxymercuration-deoxymercuration, hydroboration. Oxidation, ozonolysis, hydroxylation, Diel's alder reaction.	Teaching & Practicals	Student Study Projects. e-quiz on structural theory	
7	IV Week	4+2	1,2 and 1,4 addition reactions in conjugated dienes. Preparation,acidity, electrophilic and nucleophilic addition reactions of alkynes. Introduction to Surface chemistry.	Teaching & Practicals	Student Seminars e-quiz on Alkenes	
8	V Week	4+2	Molecular representations- Wedge, Fischer, Newman and Saw-Horse formulae Optical isomerism. Optical activity-wave nature of light, plane polarized light, optical rotation and specific rotation. Chiral molecules- definition and criteria(Symmetry elements)- Definition of enantiomers and diastereomers.	Teaching & Practicals	e-quiz on Alkynes	
9	**APRIL** I Week	2+2	Explanation of optical isomerism with examples- Glyceraldehyde, Lactic acid, Alanine, Tartaric acid . D,L, R,S and	Teaching & Practicals	e –quiz on streochemistry	

10	II Week	2+2	Concept of Aromaticity, Huckle's rule and its application to benzenoid and non-benzenoid compounds.	Teaching & Practicals	Career Guidance e-quiz on HSAB	
11	III Week	3+2	Reactions -General mechanism of electrophilic aromatic substitution reactions Orientation effect-Ring activating and deactivating groups with examples .	Teaching & Practicals	Construction of Molecular model using Ball and Sticks	
12	IV Week	3+2	Orientation of i)amino,methoxy and methyl groups ii)carboxy, nitro,nitrile,carbonyl and sulphonic acid groups. iii)Halogens	Teaching & Practicals	e –Quiz on Surface Chemistry.	
13	V Week	4+2	Introduction to Surface chemistry. Physical and chemical adsorption, Langmuir adsorption isotherm, applications of adsorption.	Teaching & Practicals	Preparation of Charts and Models	
14	MAY I Week	4+2	Pearson's concept, HSAB principle & its Applications, bonding in Hard-Hard and Soft-Soft combinations.	Teaching & Practicals	Preparation of laboratory reagents	
15			Explanation of previous question papers Verification of Records.	Teaching & Practicals		
16			Commencement of practical Examinations			

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Name of the Department: **Chemistry** SEM: IV

Name of the Lecturer: **B. Mahesh** Total hours/Credits: 60/2

S. NO	Month & Week	No Of Hour S	Topic Covered	Curricula R Activity	Co Curricular Activity	Remarks
1	**FEBRUARY** III Week	4+2	Definition and classification of organometallic Compounds on the basis of bond type, Concept of hapticity of organic ligands. Metalcarbonyls:18 electron rule, electron count of mononuclear metal carbonyls of	Teaching & Practicals	Induction program Significance organometallic	
2	IV Week	4+2	General methods of preparation of mono nuclear carbonyls of 3d series. P-acceptor behavior of carbon monoxide (Back bonding)	Teaching & Practicals	Basic laboratory safety rules	
3	V Week	2+2	Occurrence, classification and their biological importance, Monosaccharides: Constitution and absolute configuration of glucose and fructose, epimers	Teaching & Practicals	Induction program Significance	
4	**MARCH** I Week	2+2	determination of ring size of glucose and fructose, Haworth projections and conformational structures; Interconversions of aldoses and ketoses; Killiani-Fischer synthesis and Ruff degradation.	Teaching & Practicals	Assignment	
5	II Week	4+2	Introduction: Definition of Amino acids, classification of Amino acids into alpha, beta, and gamma amino acids. Natural and essential amino acids - definition and examples, classification of alpha amino acids into acidic, basic and neutral amino acids with examples. Methods of synthesis: General methods of synthesis of alpha amino acids (specific examples - Glycine, Alanine.) by following methods: a) from halogenated carboxylic acid b) Gabriel Phthalimide synthesis c) Strecker's synthesis	Teaching & Practicals	Periodic table quiz using www.sporacal.com	
6	III Week	4+2	Physical properties: Zwitter ion structure - salt like character - solubility, melting points, amphoteric character, definition of isoelectric point. Chemical properties: General reactions due to amino and carboxyl groups	Teaching & Practicals	Chemdraw - structures of amino acides	

7	IV Week	4+2	Introduction and definition: Simple five membered ring compounds with one hetero atom Ex. Furan, thiophene and pyrrole - Aromatic character – Preparation from 1, 4, -dicarbonyl compounds, PaulKnorr synthesis.	Teaching & Practicals	Importance of World earth day	
8	V Week	4+2	Properties: Acidic character of pyrrole - electrophillic substitution at 2 or 5 position, Halogenation, Nitration and Sulphonation under mild conditions - Diels Alder reaction in furan. Pyridine – Structure - Basicity - Aromaticity-Comparison with pyrrole- one method of preparation and properties -	Teaching & Practicals	Student Study Projects	
9	**APRIL** I Week	2+2	Nomenclature and classification-nitro hydrocarbons, structure, Tautomerism of nitroalkanes leading to aci and keto form, Preparation of Nitroalkanes, reactivity, halogenation, reaction with HONO (Nitrous acid), Nef reaction	Teaching & Practicals	Student Seminars	
10	II Week	2+2	Introduction, classification, chirality in amines importance and general methods of preparation (Gabriel Phthalimide synthesis, Hoffmann- Bromamide reaction) Properties: Physical properties, Basicity of amines: Effect of substituent, solvent and steric effects. Distinction between primary, secondary and tertiary amines using Hinsberg's method and Reactions of Amines with nitrous acid, Carbylamine reaction and Mannich reaction. Hoffmann's exhaustive methylation.	Teaching & Practicals	Assignments	
11	III Week	3+2	Difference between thermal and photochemical processes, Laws of photochemistry- Grothus- Draper's law and Stark-Einstein's law of photochemical equivalence, Quantum yield- Photochemical reaction mechanism: hydrogen chloride and hydrogen bromide reaction.	Teaching & Practicals	Career guidance	
12	IV Week	3+2	Qualitative description of fluorescence, phosphorescence,	Teaching & practicals	Online quiz	

			Jablonski diagram, Photosensitized reactions, energy transfer processes			
13	V Week	4+2	The first law of thermodynamics- statement, definition of internal energy and enthalpy, Heat capacities and their relationship, Joule-Thomson effect- co-efficient, Calculation of work for the expansion of perfect gas under isothermal and adiabatic conditions for reversible processes	Teaching & Practicals	Online Quiz	
14	MAY I Week	4+2	, Temperature dependence of enthalpy of formation- Kirchoff's equation, Second law of thermodynamics Different Statements of the law, Carnot cycle and its efficiency, Carnot theorem	Teaching & Practicals	Assignments, PG Entrance coaching	
15	MAY II Week	4+2	Concept of entropy, entropy as a state function, entropy changes in reversible and irreversible processes. Entropy changes in spontaneous and equilibrium processes. Third law of thermodynamics.	Teaching & practicals	Online Quiz, PG Entrance coaching	
16			Commencement of Semester end Examinations.			
17			Commencement of Semester end Examinations.			
18			Commencement of practical Examinations			

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Annual Curricular Plans

Academic Year 2022–2023

Department of

COMPUTER SCIENCE & APPLICATIONS

Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**	Name of the Department : **Computer Science & Applications**
Name of the Lecturer : Mr. **M GOVARDHAN**	CLASS : **B.Sc.** (CS) Year : **I** Semester : **I**
Paper : Problem Solving using C (**C**)	No. of Hours per Week: **4+2** Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	October III	4+2	Fundamentals: Computer – definition, characteristics and limitations, applications, generations.	Black Board, PPT	--	
2	October IV	4+2	Block diagram of a computer – memory, CPU, I/O Device, system software, application software. Software Development Method.	Black Board, PPT	--	
3	November I	4+2	Algorithm – key features, flow charts, pseudo codes, examples. Computer programming languages, C, Structure of C program –	Digital Class, PPT	Assignment–1	
4	November II	4+2	Writing C program, File used in C Program, Compiling, Executing Programs C Language Constructs: Comments, Keywords, Identifiers, Basic Data Types,	Digital Class, PPT	Assignment–2	
5	November III	4+2	Variables, Constants, Operators, I/O Statements. Expression Evaluation – precedence, associativity, type conversion, examples.	Digital Class, PPT	Assignment–3	
6	November IV	4+2	Control Statements: selection statements, conditional operator, switch statement, loops–while, do-while, for, nested loops, break, continue.	Digital Class, PPT	Seminar–1	
7	November V	4+2	Arrays: Introduction, One-dimensional arrays – declaration, initializing, assigning, accessing elements, other allowed operations.	Black Board, PPT	--	
8	December I	4+2	Arrays: Introduction, Two-dimensional arrays – declaration, initializing, assigning, accessing elements, other allowed operations.	Black Board, PPT	Assignment–4	
9	December II	4+2	Strings: declaration, initializing, input, output, string, and character functions.	Digital Class, PPT	Seminar–2	
10	December III	4+2	Functions: Introduction, using functions – function declaration/prototype, function definition, function call, return statement,	Digital Class, PPT	--	

Signature of the Lecturer Signature of the Department I/C Signature of the Principal

Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**	Name of the Department : **Computer Science & Applications**
Name of the Lecturer : Mr. **M GOVARDHAN**	CLASS : **B.Sc.** (CS) Year : **I** Semester : **I**
Paper : Problem Solving using C (**C**)	No. of Hours per Week: **4+2** Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
11	December IV	4+2	passing parameters, Scope of variables, Storage Classes, Recursions, Pointers: understanding computer memory, declaring, initializing pointers	Digital Class, PPT	--	
12	January I	4+2	null pointers, passing arguments to functions using pointer, pointer vs Arrays. Dynamic Memory, usage and drawbacks of pointers	Digital Class, PPT	Assignment–5	
13	January II	4+2	Structure, Union, and Enums: introduction, nested structures	Black Board, PPT	Assignment–6	
14	January III	4+2	arrays of structures, structures and functions, Union, arrays of unions variables, enumerated data types.	Black Board, PPT	Seminar–3	
15	January IV	4+2	Files: Introduction, using files in C, read data from files, writing data to files, random accessing to file, accepting command line arguments (CLA).	Digital Class, PPT	--	
16	January V	4+2	Revision of total syllabus. Discussion of important questions and previous question papers.	Digital Class, PPT	--	

Reference Books:

1. Jeri R Hanly & Elliot B Koffman, “Problem Solving and Program design in C”, 7th Edition, Pearson Education.
2. Brain W Kernighan and Dennis M Ritchie, “The C Programming language”, 2nd Edition, PHI Learning Private Limited.
3. Reema Thareja, “Introduction to C Programming”, 2nd Edition, Oxford University Press.
4. Pradip Dey, Manas Ghosh, “Programming in C”, 2nd Edition, Oxford University Press.

Students Activity:

1. Creating a database for maintaining the student internal marks of your class.
2. Creating a database for maintaining the student attendance of your class.

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Signature of the Lecturer | Signature of the Department I/C | Signature of the Principal

Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**	Name of the Department : **Computer Science & Applications**
Name of the Lecturer : Mr. **P RAGHAVENDER REDDY**	CLASS : **B.Sc.** (MSCS) Year : **II** Semester : **III**
Paper : Database Management System (**DBMS**)	No. of Hours per Week: **4+2** Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	October III	4+2	Overview of DBMS: introduction, file-based system, drawbacks of file-based system, data and information.	Black Board, PPT	--	
2	October IV	4+2	database, DBMS, objectives, evaluation and classification of DBMS, DBMS approach, advantages of DBMS, data models.	Black Board, PPT	--	
3	November I	4+2	Components and Interfaces of DBMS, Database Architecture.	Digital Class, PPT	Assignment–1	
4	November II	4+2	Relational Model: Introduction, CODD Rules, Relational Data Model, Concept of Key, Relational Integrity.	Digital Class, PPT	Assignment–2	
5	November III	4+2	Relational Algebra –Operations, Advantages and Limitations.	Digital Class, PPT	Assignment–3	
6	November IV	4+2	Relational Calculus, Tuple Relational Calculus, Domain Relational Calculus.	Digital Class, PPT	Seminar–1	
7	November V	4+2	E–R Model: Introduction, the Building Blocks of an E–R Diagram, Classification of Entity Sets, Attribute Classification.	Black Board, PPT	--	
8	December I	4+2	Relationship Degree, Relationship Classification, Reducing ER Diagram to Tables, EER Model.	Black Board, PPT	Assignment–4	
9	December II	4+2	Generalization, Specialization, IS-A Relationship, Attribute Inheritance, Multiple Inheritance, Aggregation, Composition, Advantages of ER Model	Digital Class, PPT	Seminar–2	
10	December III	4+2	SQL: Introduction, History, Standard, Commands in SQL, Data Types in SQL, DDL, Selection Operation, Projection Operation	Digital Class, PPT	--	

Signature of the Lecturer Signature of the Department I/C Signature of the Principal

Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**	Name of the Department : **Computer Science & Applications**
Name of the Lecturer : Mr. **P RAGHAVENDER REDDY**	CLASS : **B.Sc.** (MSCS) Year : **II** Semester : **III**
Paper : Database Management System (**DBMS**)	No. of Hours per Week: **4+2** Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
11	December IV	4+2	Aggregate functions, DML, Table Modification Commands	Digital Class, PPT	--	
12	January I	4+2	Join Operation, Set Operations, View, Sub Query	Digital Class, PPT	Assignment–5	
13	January II	4+2	Introduction, Shortcomings of SQL, Structure of PL/SQL, PL/SQL Language Elements, Data Types, Operators Precedence	Black Board, PPT	Assignment–6	
14	January III	4+2	Control Structure, Steps to Create a PL/SQL, Program, Iterative Control	Black Board, PPT	Seminar–3	
15	January IV	4+2	Procedure, Function, Packages, Exceptions Handling, Database Triggers	Digital Class, PPT	--	
16	January V	4+2	Revision of total syllabus. Discussion of important questions and previous question papers.	Digital Class, PPT	--	

Reference Books:

5. "Database Management Systems" by Raghu Ramakrishnan, McGraw-Hill, 2002.
6. "Database System Concepts" by Abraham Silberschatz, Henry Korth, and S. Sudarshan, McGraw-Hill, 2010.
7. Fundamentals of Relational Database Management Systems by S. Sumathi, S. Esakkirajan, Springer Publications

Students Activity:

3. Creating a database for maintaining the student internal marks of your class.
4. Creating a database for maintaining the student attendance of your class.

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Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**	Name of the Department : **Computer Science & Applications**
Name of the Lecturer : Mr. **P RAGHAVENDER REDDY**	Class : **B.Sc.** (Cloud Computing) Year : **III** Semester : **V**
Paper : **AWS Storage Services**	No. of Hours per Week: **4+2** Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	December I	4+2	AWS storage services syllabus discussion, Introduction to storage concepts, AWS Object Store, Simple Storage Service (S3)	Black Board, PPT	--	
2	December II	4+2	Backups with S3 through CLI, Creating and Maintaining S3 buckets, AWS Glacier, Storing Objects Programmatically using S3	Black Board, PPT	--	
3	December III	4+2	S3 for static Web Hosting, Ensuring Data Consistency in S3.	Digital Class, PPT	Assignment–1	
4	December IV	4+2	Introduction to EBS, Creating an EBS Volume, Attaching an EBS volume to an EC2 instance.	Digital Class, PPT	Assignment–2	
5	January I	4+2	Snapshots using EBS, Instance Store, Difference between Instance Store and EBS.	Digital Class, PPT	Assignment–3	
6	January II	4+2	Introduction to Elastic File System (EFS), Creating a file system using EFS,	Digital Class, PPT	Seminar–1	
7	January III	4+2	Mounting EFS on EC2 instances, Sharing Data Volumes between Instances,	Black Board, PPT	--	
8	January IV	4+2	Monitoring File Systems, Data Backups using EBS Volumes.	Black Board, PPT	Assignment–4	
9	February I	4+2	Introduction to AWS Database Services, Relational Database Service (RDS), Exploring RDS with a MySQL instance	Digital Class, PPT	Seminar–2	
10	February II	4+2	importing data into a database, Backing up and restoring databases,	Digital Class, PPT	--	

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Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**	Name of the Department : **Computer Science & Applications**
Name of the Lecturer : Mr. **P RAGHAVENDER REDDY**	Class : **B.Sc.** (Cloud Computing) Year : **III** Semester : **V**
Paper : **AWS Storage Services**	No. of Hours per Week: **4+2** Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
11	February III	4+2	Controlling access to a database, controlling network access and data access, Creating high-availability, Tweaking performance, and Monitoring.	Digital Class, PPT	--	
12	February IV	4+2	Introduction to NoSQL databases, DynamoDB, DynamoDB for Developers,	Digital Class, PPT	Assignment–5	
13	March I	4+2	Creating a sample application using DynamoDB, Creating tables,	Black Board, PPT	Assignment–6	
14	March II	4+2	Adding data, retrieving data, removing data, Modifying data, Auto Scaling.	Black Board, PPT	Seminar–3	
15	March III	4+2	Revision of total syllabus. Discussion of important questions and previous question papers.	Digital Class, PPT	--	

Reference Books:

1. Amazon Web Services in Action by Michael Wittig and Andreas Wittig, Released September 2018, Manning Publications, ISBN: 9781617295119
2. AWS Developer Guides A

Students Activity:

1. Creation of S3 buckets and their integration with an EC2 instance
2. Creation of an Elastic File System on an EC2 instance
3. Creation of an RDS instance using MySQL image and execution of database operations
4. Using a DynamoDB instance for CRUD (Create, Read, Update, Delete) operations.

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Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**	Name of the Department : **Computer Science & Applications**
Name of the Lecturer : Mr. **P RAGHAVENDER REDDY**	CLASS : **B.Sc.** (MPCS, MSCS, MCCCS, GPCS) Year : **I** Semester : **II**
Paper : Data Structures using C (**DS Using C**)	No. of Hours per Week: **4+2** Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	February III	4+2	Introduction: need of a data structures, elementary data structure organization, classification of data structures	Black Board, PPT	--	OD
2	February IV	4+2	operations on data structures, abstract data type, advantages of ADT	Black Board, PPT	--	OD
3	March I	4+2	algorithms, different approaches to design an algorithm, different structures used in algorithms.	Digital Class, PPT	Assignment–1	
4	March II	4+2	Time and space complexity, Big O notation, examples.	Digital Class, PPT	Assignment–2	
5	March III	4+2	Arrays: representation, and operations on one-dimensional arrays, application of arrays.	Digital Class, PPT	Assignment–3	
6	March IV	4+2	Linked Lists: representation, and operations on singly linked lists,	Digital Class, PPT	Seminar–1	
7	March V	4+2	circular linked lists, doubly linked lists, applications of linked lists – polynomial representation.	Black Board, PPT	--	
8	April I	4+2	Stacks: Introduction, array representation of stack, operations on a stack, linked representation of stack,	Black Board, PPT	Assignment–4	
9	April II	4+2	operations on a linked stack, Applications of Stacks. Queues: Introduction, array representation of queue, operations on queue,	Digital Class, PPT	Seminar–2	
10	April III	4+2	linked representation of queue, operations on linked queue, circular queue, double ended queue, application of queues	Digital Class, PPT	--	

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Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**	Name of the Department : **Computer Science & Applications**
Name of the Lecturer : Mr. **P RAGHAVENDER REDDY**	CLASS : **B.Sc.** (MPCS, MSCS, MCCCS, GPCS) Year : **I** Semester : **II**
Paper : Data Structures using C (**DS Using C**)	No. of Hours per Week: **4+2** Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
11	April IV	4+2	Binary Trees: terminology, types of trees, binary trees, representation of binary trees, binary search trees, creating a binary search tree,	Digital Class, PPT	--	
12	May I	4+2	traversing a binary tree – pre-order, in, order, post-order, inserting a new node, deleting node, applications of binary trees.	Digital Class, PPT	Assignment–5	
13	May II	4+2	Graphs: Introduction, graph terminology, directed graphs, representation of graphs, graph traversals – DFS, BFS.	Black Board, PPT	Assignment–6	
14	May III	4+2	minimum spanning trees – Prim's algorithms, Kruskal's algorithms, shortest path algorithm, application of graphs.	Black Board, PPT	Seminar–3	
15	May IV	4+2	Searching: linear search, binary search. Sorting: bubble sort, insertion sort, merge sort, quick sort.	Digital Class, PPT	--	

Reference Books:

1. Reema Thareja, "Data Structures using C", 2nd Edition, Oxford University Press
2. ISRD group, "Data Structures using C", 2nd Edition, TMH
3. D S Malik, "C++ Programming – program design including data structures", 8th Edition, Cengage Learning

Students Activity:

1. Problem solving using data structures skill.
2. Finding and solving real world problems using data structures.

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Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**		Name of the Department : **Computer Science & Applications**	
Name of the Lecturer : Mrs. **B RENUKA DEVI**		Class : **B.Sc.** (MECS, MCCCS)	Year : **II** Semester : **IV**
Paper Object Oriented Programming through Java (**OOP through Java**)		No. of Hours per Week: **4+2**	Total Hours: **60+30** Credits: **3+2**

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

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Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**		Name of the Department : **Computer Science & Applications**	
Name of the Lecturer : Mrs. **B RENUKA DEVI**		Class : **B.Sc.** (MECS, MCCCS)	Year : **II** Semester : **IV**
Paper Object Oriented Programming through Java (**OOP through Java**)		No. of Hours per Week: **4+2**	Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
11	April 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	May I	4+2	Streams: types, creating file using byte stream class and character stream classes.	Digital Class, PPT	Assignment–5	
13	May II	4+2	Accessing database with JDBC, introduction, relational database, SQL, Creating simple database, manipulating database with JDBC.	Black Board, PPT	Assignment–6	
14	May III	4+2	Thread: definition, states, creating threads using extending thread class or implementing runnable interface, thread priorities, thread synchronization.	Black Board, PPT	Seminar–3	
15	May 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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Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**	Name of the Department : **Computer Science & Applications**
Name of the Lecturer : Mr. **P RAGHAVENDER REDDY**	Class : **B.Sc.** (MECS, MCCCS) Year : **II** Semester : **IV**
Paper : **Operating Systems** (**OS**)	No. of Hours per Week: **4+2** Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	February III	4+2	Operating System definition, History and Evolution of OS, Basic OS functions, Resource Abstraction	Black Board, PPT	--	OD
2	February IV	4+2	Types of Operating Systems– Multiprogramming, Batch, Time Sharing, Parallel, Distributed, Operating for Personal Computers, Real time.	Black Board, PPT	--	OD
3	March I	4+2	Process Management: Process Concept, Process Scheduling, Operation on Processes, Cooperating Processes.	Digital Class, PPT	Assignment–1	
4	March II	4+2	Threads, Inter process Communication. CPU Scheduling: Basic concepts	Digital Class, PPT	Assignment–2	
5	March III	4+2	Scheduling Criteria, Scheduling Algorithms, Multiple Processor Scheduling.	Digital Class, PPT	Assignment–3	
6	March IV	4+2	Process Synchronization: Introduction, the Critical Section Problem, Semaphores, Classical Problems of Synchronization.	Digital Class, PPT	Seminar–1	
7	March V	4+2	Classical Problems of Synchronization, Monitors. Deadlocks: Deadlock Characterization	Black Board, PPT	--	
8	April I	4+2	Methods for Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance and Deadlock Detection, Recovery.	Black Board, PPT	Assignment–4	
9	April II	4+2	Memory Management: Physical and Virtual Address Space; Memory Allocation Strategies– Fixed and -Variable Partitions.	Digital Class, PPT	Seminar–2	
10	April III	4+2	Paging, Segmentation Virtual Memory: Demand Paging, Page replacement Algorithms	Digital Class, PPT	--	

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Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**	Name of the Department : **Computer Science & Applications**
Name of the Lecturer : Mr. **P RAGHAVENDER REDDY**	Class : **B.Sc.** (MECS, MCCCS) Year : **II** Semester : **IV**
Paper : **Operating Systems** (**OS**)	No. of Hours per Week: **4+2** Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
11	April IV	4+2	Virtual Memory: Thrashing, Demand Segmentation. File Management & Secondary Storage: Directory Structure,	Digital Class, PPT	--	
12	May I	4+2	File Operations, File Allocation Methods. Disk Structure, Disk Scheduling, Disk Management	Digital Class, PPT	Assignment–5	
13	May II	4+2	Computer Security Threats: Concepts, Threats, Attacks and Assets, Intruders, Malicious Software, Viruses, Worms and Bots, Rootkits.	Black Board, PPT	Assignment–6	
14	May III	4+2	Computer Security Techniques: Authentication, Access Control, Intrusion Detection, Malware defence.	Black Board, PPT	Seminar–3	
15	May IV	4+2	Revision, discussion of previous question papers.	Digital Class, PPT	--	

Reference Books:

1. Operating System Principles by Abraham Silber Schatz, 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, Jyoti Singh (TMH); Online Resources for Unit – V

Students Activity:

1. Installation and configuration of different operating systems
2. Writing scripting containing basic operating system commands.
3. Writing logical simulation programs for different operating system algorithms

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Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**		Name of the Department : **Computer Science & Applications**	
Name of the Lecturer : Mr. **P RAGHAVENDER REDDY**		Class : **B.Sc.** (BZC, BioBC)	Year : **I** Semester : **II**
Paper : **Information & Communication Technology** (**ICT**)		No. of Hours per Week: **2**	Total Hours: **30** Credits: **2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	February III	2	Internet – definition, applications, addressing – web site address	Black Board, PPT	--	OD
2	February IV	2	URL – components of URL, searching internet	Black Board, PPT	--	OD
3	March I	2	Browser – types, social networking – twitter, Tumblr	Digital Class, PPT	Assignment–1	
4	March II	2	social networking – LinkedIn, Facebook, Flickr	Digital Class, PPT	Assignment–2	
5	March III	2	social networking – Yahoo, YouTube, WhatsApp	Digital Class, PPT	Assignment–3	
6	March IV	2	E-mail – definition, advantages, disadvantages, user ids, password	Digital Class, PPT	Seminar–1	
7	March V	2	E-mail – addresses, domain names, mailers	Black Board, PPT	--	
8	April I	2	E-mail – message components, message composition, mail management	Black Board, PPT	Assignment–4	
9	April II	2	G-Suite: Google drive, google documents, google spread sheet	Digital Class, PPT	Seminar–2	
10	April III	2	G-Suite: google forms	Digital Class, PPT	--	

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Annual Curricular Plan : 2022 – 2023

Name of the College : **Govt. College for Men (A), Kadapa**	Name of the Department : **Computer Science & Applications**
Name of the Lecturer : Mr. **P RAGHAVENDER REDDY**	Class : **B.Sc.** (MECS, MCCCS) Year : **II** Semester : **IV**
Paper : **Operating Systems** (**OS**)	No. of Hours per Week: **4+2** Total Hours: **60+30** Credits: **3+2**

S. No.	Month Week	No. of Hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
11	April IV	2	Internet security, email threats and secure email, viruses, Antivirus software	Digital Class, PPT	--	
12	May I	2	firewalls, cryptography, digital signatures, copy rights	Digital Class, PPT	Assignment–5	
13	May II	2	GOI digital initiatives in higher education – SWAYAM, Swayam Prabha, National Academic Depository	Black Board, PPT	Assignment–6	
14	May III	2	National Digital Library, E-sodh-sindhu, virtual labs, e-acharya, e-yantra, NPTEL	Black Board, PPT	Seminar–3	
15	May IV	2	Revision, discussion of previous question papers.	Digital Class, PPT	--	

Reference Books:

1. Fundamentals of the Internet and the World Wide Web by Raymond Greenlaw, Ellen Hepp, 2nd Edition, TMH
2. Internet Technology and Web design, ISRD group, TMH
3. Information Technology – the breaking wave, Dennis P Curtin, Kim Foley, Kunai Sen, Cathleen Morin, TMH.

Students Activity:

1. Installation and configuration of different web browsers
2. Installation and configuration of different web and mobile applications.
3. Registering, following and completion of online courses.

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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
OBJECT ORIENTATED PROGRAMMING THROUGH JAVA

Year: 2022 - 2023 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	March & I	04	Introduction to Java: Programming Languages, Java and Typical Java Environment, Introduction to Java Application, Features of Java			
2	March & II	04	The Java virtual Machine, Data Types in Java, Literals, Operators, Priority of Operators			
3	March & III	04	Control Statements in Java: if... else Statement, do... while Statement, while Loop, for Loop, switch Statement, break Statement, continue Statement, return Statement			
4	March & IV	04	Methods: Program Modules in Java, static Methods, static Fields and Class Math, Declaring Methods with Multiple Parameters, Scope of Declaration, Method Overloading, 'this' Keyword.			
5	March & V	04	Arrays: Arrays, Declaring and Creating Arrays, Examples Using Arrays, Passing Arrays to Methods, Multidimensional Arrays, and Variable-Length Argument List Command Line Argument			
6	April & II	04	Strings: Creating Strings, String Class Methods, String Comparison, Immutability of Strings Introduction to OOPs: Problems in Procedure Oriented Approach, Features of Object- Oriented Programming System (OOPS) Classes and Objects: Object Creation, Initializing the Instance Variables, Access Specifiers, Constructors			
7	April & III	04	Inheritance: Inheritance, The keyword 'super', The Protected Specifier, Types of Inheritance Polymorphism: Polymorphism Examples, Abstract Classes and Methods, Polymorphism with Final Methods, final Class			
8	April & IV	04	Interfaces: Interface, Multiple Inheritance using Interfaces Packages: Package, Different Types of Packages,			
9	April & V	04	The JAR Files, Interfaces in a Package, Creating Sub Package in a Package, Access Specifiers in Java, Creating API Document			
10	May & I	04	Exception Handling: Errors in Java Program, Exceptions, throws Clause, throw Clause, Types of Exceptions, When to use Exception Handling,			

			Java Exception Hierarchy, finally Block. Declaring New Exception Types, Precondition and Post condition			
11	June & III	04	Streams: Stream, Creating a File using FileOutputStream, Reading Data from a File using FileInputStream, Creating a File using File Writer, Reading a File using File Reader			
12	June & IV	04	Accessing Databases with JDBC: Introduction, Relational Databases, SQL, Creating Databases books in MySQL, Manipulating Databases with JDBC.			
13	June & V	04	Threads: Definition, Thread States, Creating and Executing Threads with Executor Frame Work, Thread Synchronization, Thread Priorities. Applets: Creating an Applet, Uses of Applets,			
14	July & I	01	A Simple Game with an Applet, Applet Parameters			

References

1. Deitel & Deitel. Java TM: How to Program, PHI (9th Edition).
2. Programming in Java_Sachin Malhotra_2Ed .
3. Core Java: An Integrated Approach, Authored by Dr. R. Nageswara Rao &Kogent
4. E.Balaguruswamy, Programming with JAVA, A primer, 3e, TATA McGraw- Hill Company.
5. John R. Hubbard, Programming with Java, Second Edition, Schaum's outline Series,TMH

Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Web Applications Development using PHP& MYSQL III BSC(MSCS) –PAPER-VIIA

Year: 2022 - 2023 Semester: V

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	Dec&I	04	PHP Basics: Accessing PHP, Creating Sample Application, Embedding PHP in HTML, Adding Dynamic Content,			
2	Dec&II	04	Identifiers, Variables, Constants, Operators, Data types, Accessing Form Variables, Variable handling Functions			
3	Dec&III	04	Making Decisions with Conditions, Repeating actions through Iterations, Breaking Out of a Control Structure,			
4	Dec&IV	04	Storing and Retrieving Data: Processing Files, opening a File, writing to a File, closing a File Reading from a File, Other File Functions, Locking Files.	Assignment		
5	Dec&V	04	Arrays: Arrays basics, Types, Operators, Array Manipulations			
6	Jan & I	04	String Manipulation and Regular Expressions: Strings Basics, Formatting Strings, Joining and Splitting Strings with String Functions,	Seminar		
7	Jan&II	04	, Introducing Regular Expressions, Find, Replace, Splitting in regular Expressions			
8	Jan&II	04	Reusing Code and Writing Functions: The Advantages of Reusing, Using require () and include (), Using Functions in PHP			
9	Jan&IV	04	Scope, Passing by Reference Versus Passing by Value, keyword, Recursion	Seminar		
10	Jan&V	04	Object-Oriented PHP: OOP Concepts, Creating Classes, Attributes, and Operations in PHP, Implementing Inheritance in PHP, Understanding Advanced Object-Oriented Functionality in PHP			

11	Feb& I	04	Error and Exception Handling: Error and Exception Handling, Exception Handling Concepts.	Assignment		
13	Feb& II	04	Using MySQL: Relational Database Concepts, Web Database Architecture, Introducing MySQL's Privilege System, Creating Database Tables, Understanding MySQL, Identifiers, Database Operations,			
14	Feb& III	04	querying a Database, Understanding the Privilege System, Making Your MySQL Database Secure, Optimization, Backup, Restore.			
15	Feb& IV	04	Introduction of Laravel PHP Framework: Why Lavarel, setting up Lavarel Development Environment, Routing and Controllers: introduction to MVC, the HTTP verbs, and REST,			
16	Mar& I		Route Definitions, Route Groups, Signed Routes, Views, Controllers, Route Model Binding, Redirects, Custom Responses			

References 1. Luke Welling, Laura Thomson, "PHP and MySQL Web Development", 5th Edition

2. Matt Stauffer, "Lavarel: Up & Running", 2nd Edition

3. Julie C. Meloni, SAMS Teach yourself PHP MySQL and Apache, Pearson Education (2007).

4. Steven Holzner , PHP: The Complete Reference, McGraw-Hill

5. Robin Nixon, Learning PHP, MySQL, JavaScript, CSS & HTML5, Third Edition O'reilly, 2014

6. Xue Bai Michael Ekedahl, The web warrior guide to Web Programming, Thomson (2006).

7. Web resources: http://www.codecademy.com/tracks/ph http://www.w3schools.com/PHP http://www.tutorialpoint.com 8. Other web sources suggested by the teacher concerned and the college librarian including reading material.

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Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Web Interface Designing Technologies

Year: 2022 - 2023 Semester: V

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	December & II	04	HTML: Introduction to web designing, difference between web applications and desktop applications			
2	December & III	04	creating a Simple Page (HTML Overview), marking up Text			
3	December & IV	04	Adding Links, Adding Images, Table Markup, Forms			
4	December & V	04	HTML API'S: Geo location, Drag/drop, local storage, HTML SSE.			
5	January & I	04	CSS for Presentation: Cascading Style Sheets Orientation, Formatting Text			
6	January & II	04	Colours and Backgrounds, Thinking Inside the Box, Floating and Positioning			
7	January & III	04	, Page Layout with CSS, Transitions, Transforms, and Animation			
8	January & IV	04	CSS Techniques			
9	January & V	04	Java Script: Introduction to JavaScript - What is DHTML, JavaScript, basics, variables			
10	February & II	04	string manipulations, mathematical functions, statements, operators			
11	February & III	04	arrays, functions. Objects in JavaScript Data and objects in JavaScript, regular expressions, exception handling. DHTML with JavaScript			
12	February & IV	04	- Data validation, opening a new window, messages and confirmations, the status bar, different frames, rollover buttons, moving images			
13	February & V	04	Angular JS: Introduction to REST, build a RESTful Service, Handle Errors in RESTful API, Setting Up Angular JS: Creating your Single Page Application			
14	March & I	04	Introduction to Angular JS, Setting Up Your Development			

			Environment. Securing your RESTful API using Spring Security: Introducing Spring Security			
15	March & II	04	Enabling Spring Security on RESTful Services, Customizing User Authentication, Consuming Secured RESTful Services using AngularJS, Sending an each request in AngularJS, The Login Page			

References

1. .N. Robbins, “Learning Web Design”, Fourth Edition, O’Reilly
2. Danny Goodman, “ Java Script™ Bible”, Fourth Edition
3. Ravi Kant Soni, “Full Stack AngularJS for Java Developers”, APress
4. Manning, “AngularJS in Action”
5. Chris Bates, Web Programming Building Internet Applications, Second Edition, Wiley (2007)
6. Paul S.WangSanda S. Katila, an Introduction to Web Design plus Programming, Thomson (2007).

Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
PROGRAMMING WITH C & C++

Year: 2022 - 2023 Semester: III

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	October & V	04	Introduction: History of C			
2	November & I	04	Structure of C Program, Basic Data types			
3	November & II	04	Variables, Constants, I/O statements , Operators and Expressions, Precedence ofOperators.			
4	November & III	04	Control Statements: Selection Statements, Iteration Statements, Jump Statements			
5	November & IV	04	Arrays and Strings: Array definition,Types of Arrays, Strings, String functions, Character Functions			
6	November & V	04	Creation of a Quick Website with very low code			
7	December & I	04	Pointers: Definition, Pointer variables Functions: The general Form of a Function,			
8	December & II	04	Function Arguments, The Return Statement, Recursion			
9	December & III	04	Storage Classes, Call by Value and Call by Reference			
10	December & IV	04	User Defined Data types: Structures, Unions, Enumerated data type.			
11	December & V	04	Overview of C++: OOP Concepts, C Versus C++.			
12	January & I	04	Classes and Objects: Concept of Classes, Comparison of Structures and Classes, Friend Functions, Inline Functions - The Scope Resolution Operator			
13	January & III	04	Constructor: Definition, Types of Constructors. Destructor Function Overloading: Definition, Overloading Constructors			
14	January & IV	04	Operator Overloading: Creating a Member Operator Function.			
15	January & V	04	Inheritance: Definition, Inheritance and Protected members. Types of Inheritance			

16	February & I	04	Virtual Functions & Polymorphism: Definition, Calling a virtual function through a base class reference			
17	February & 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

Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
E-COMMERCE & WEB DESIGNING

Year: 2022 - 2023 Semester: II

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	March & I	04	Introduction: Meaning, Nature, Concepts, Advantages, Disadvantages and reasons for Transacting Online, Types of E-Commerce, e-commerce Business Models Forces Behind e-commerce			
2	March & II	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			
3	March & III	04	E-payment System: Models and methods of e–payments (Debit Card, Credit Card, Smart Cards, e- money), Digital Signatures (Procedure, Working and Legal Position),			
4	March & IV	04	Payment Gateways, Online Banking (Meaning, Concepts, Importance, Electronic Fund Transfer, Automated Clearing House, Automated Ledger Posting), Risks Involved in e-payments.			
5	March & V	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			
6	April & II	04	Online Marketing, E-Tailing (Popularity, Benefits, Problems and Features), Online Services (Financial, Travel and Career)			
7	April & III	04	Auctions, Online Portal, Online Learning, Publishing and Entertainment} Online Shopping (Amazon, Snap Deal, Alibaba, Flipkart, etc.)			
8	April & IV	04	Website designing: Designing a home page, HTML document, Anchor tag Hyperlinks, Head and body section, Header Section, Title, Prologue			
9	April & V	04	Links, Colorful Pages, Comment, Body Section, Heading Horizontal Ruler, Paragraph, Tabs, Images and Pictures, Lists and Their Types, Nested Lists, Table Handling.			
10	May & I	04	Frames: Frameset Definition, Frame Definition, Nested Framesets, Forms and Form Elements. DHTML and Style Sheets: Defining Styles,			

			elements of Styles			
11	June & II	04	Linking a style sheet to a HTML Document			
12	June & III	04	Inline Styles, External Style Sheets, Internal Style Sheets & Multiple Style Sheets.			

References

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 Publication

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

Year: 2022 - 2023 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 & I	04	Computer Networks, basics of networking, Architectures of networking,			
2	November & II	04	topologies, types of Networks, LAN, WAN, MAN, Components of Network,			
3	November & III	04	Network Protocols, Communication aspects, basics of Internet.			
4	November & IV	04	Introduction to Cloud Computing: Cloud Computing (NIST Model): Introduction to Cloud Computing, History of Cloud Computing			
5	November & V	04	Cloud service providers, Properties, Characteristics & Disadvantages, Pros and Cons of Cloud Computing,			
6	December& I	04	Benefits of Cloud Computing, Cloud Computing Architecture: Cloud computing stack			
7	December& II	04	Cloud Service Models: Introduction to Software as a Service (SaaS), Infrastructure as a Service (IaaS), and Platform as a Service (PaaS).			
8	December& III	04	Cloud Deployment Models: Public Cloud, Private Cloud, Hybrid Cloud, Community Cloud.			
9	December& IV	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	January & I	04	Red hat Cloud Computing with its PaaS.			
11	January & II	04	Microsoft Azure Cloud Computing Service- Windows azure platform Services			
12	January & III	04	Windows Azure storage, Windows Azure fabrics.			
13	January & IV	04	Salesforce Cloud Computing Services Pass			
14	January & V	04	SaaS and IaaS. Heroku			
15	February & I	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

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

Year: 2022 - 2023 Semester: III

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	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 Summery 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

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

Year: 2022 - 2023 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	February & IV	04	Data Types and Operators- Primitive, Complex, Expressions and operators, Defining Functions			
2	March & I	04	Oops Concept- Abstraction, Encapsulation, Inheritance and Polymorphism			
3	March & II	04	Understanding Apex core concepts, developing code in the cloud Apex Development process: Learning Apex			
4	March & III	04	App Quick Start, Writing Apex class, creating a custom object, Adding the Test class			
5	March & IV	04	Collections- List, Set, Map Working with DML Operations- Insert, Update			
6	March & V	04	Upsert, Delete, Undelete and Merge, Execution flow in Apex			
7	April & II	04	Exception Handling, Assertions and Annotations.			
8	April & III	04	Interface in Apex- Batch Apex, Schedule Apex. Working with Triggers- Trigger Syntax			
9	April & IV	04	Trigger Context variables, Validations and Automations			
10	April & V	04	Introduction to Visual Force, Working on Visual Force components- Format Tags, Input Tags			
11	May & I	04	Action Tags, Output Tags and Miscellaneous Tags.			
12	May & II	04	Working on Various Controllers Custom controllers, Standard controllers, Extensions.			
13	May & III	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 INTELLIGANCE II BSC(MCCCS) –PAPER-C5

Year: 2022 - 2023 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	Mar&I	04	**Wave Analytic basics:** Exploring Wave Analytics,			
2	Mar&II	04	Setup Wave analytics,			
3	Mar&III	04	Creating wave analytic App			
4	Mar&IV	04	**Wave Desktop Exploration** Data Explorer, Analyse Data Explorer	Assignment		
5	Mar&V	04	Compare Table			
6	April&I	04	Wave Mobile Exploration: Mobile Data Explorer, Mobile Exploration interface. U	Seminar		
7	April&II	04	**Wave App Basics:** Creating Wave App basics,			
8	April&III	04	setting up Wave app Licenses and permissions			
9	April&IV	04	**Sales Wave app –** Creating and Analysing Sales wave using Wizard	Seminar		
10	May&I	04	Sales wave on Mobiles			
11	June&I	04	**Service Wave App:** Creating Service Wave using wizard,	Assignment		
13	June&II	04	Service wave to Manage Service Load, Basic Wave Dashboard Customization			
14	June&III	04	**Revision**			
15		04	**Revision**			

References :

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

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

Year: 2022 - 2023 Semester: V

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	December & II	04	Introduction to AWS, Different Compute Services			
2	December & III	04	Introduction to Elastic Compute Cloud, (EC2), Different AMIS,			
3	December & IV	04	Virtualization Mechanisms used in AMIs, Examples			
4	December & V	04	Configuring the EC2 instance, Installing various programming environments,			
5	January & I	04	SDKs,Libraries, etc., Elastic Beanstalk			
6	January & II	04	Creation of a Quick Website with very low code			
7	January & III	04	Securing an EC2 instance, Identity Access Management			
8	January & IV	04	Creation of Roles, Security Groups,			
9	January & V	04	Access Control Mechanisms using Security Groups, Virtual Private Cloud			
10	February & II	04	Introduction to High Availability, Availability Zones in AWS			
11	February & III	04	Auto-Scaling, Cloud Watch for monitoring metrics			
12	February & IV	04	Scaling up and down, Load balancing.			
13	February & V	04	Creating snapshots of instances, Custom AMIs			
14	March & I	04	Using Elastic Block Storage			
15	March & II	04	Publishing Custom AMIs in Amazon’s Market Place.			

References

1. Amazon Web Services in Action by Michael Wittig and Andreas Wittig, Released September 2018, Manning Publications, ISBN: 9781617295119
2. AWS Developer Guides
3. Other web sources suggested by the teacher concerned and the college librarian including reading material

Government College for Men (Autonomous): Kadapa
Department of Computer Science
Teaching Plan
Multimedia Tools and Applications

Year: 2022 - 2023 Semester: VI

No. of hour per week: 4 Total hours/credits:45 /3

S. No.	Month & Week	No. of hours	Topic	Curricular Activity	Co-curricular Activity	Remarks
1	March & III	03	What is Multimedia? Components of Multimedia System, Multimedia and Hypermedia			
2	March & IV	03	Multimedia Authoring metaphors, Multimedia Production.			
3	March & V	03	Multimedia Presentation, Some Technical Design Issues, Automatic Authoring.			
4	April & II	03	Color science Human vision Image data types: Black & white images, 1-bit images (Binary image)			
5	April & III	03	8 -bit (Gray -level images), Color images, 24-bit color images			
6	April & IV	03	8-bit color images Color models, Types of Video Signals, Analog Video, Digital Video			
7	April & V	03	Basics of Digital Audio: What is Sound? Digitization of Sound, Quantization and Transmission of Audio.			
8	May & I	03	Pulse code modulation, Differential coding of audio, Predictive coding			
9	May & II	03	Introduction, Basics of Information Theory, Lossless Compression Algorithms, Fix-Length Coding, Run-length coding.			
10	May & III	03	Dictionary-based coding, Variable Length Coding, Huffman Coding Algorithm.			
11	June & IV	03	Audio Compression standards: Introduction, Psychoacoustics model, MPEG Audio			
12	June & V	03	Introduction to Video compression, Video compression standard H.261, Video compression standard MPEG-1.			
13	July & I	03	Revision			

References:

1. Textbook: Fundamentals of Multimedia by Ze-Nian Li & Mark S. Drew. Publisher: Prentice Hall

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

Year: 2022 - 2023 Semester: VI

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	March & III	04	Types of Graphics, Raster vs Vector Graphics, Types of Objects, Audio formats, Video formats, Image formats,			
2	March & IV	04	Text document formats, Types of video editing, Different color modes. Image Scanner, Types of Image Scanners			
3	March & V	04	What is GIMP? GIMP tool box window, Layers Dialog			
4	April & II	04	Tool Options Dialog, Image window Image window menus.			
5	April & III	04	Improving Digital Photos, Opening files, Rescaling saving files, Cropping, Brightening & Darkening			
6	April & IV	04	Rotating, Sharpening, Introduction to layers, What is layer? Using layer to add text Using move tool, Changing colors			
7	April & V	04	Simple effects on layers, Performing operations on layers, Using layers to copy and paste			
8	May & I	04	Drawing: Drawing lines and curves, Changing colors and brushes, Erasing, Drawing rectangles, Circles and other shapes			
9	May & II	04	Outlining and filling regions, Filling with patterns and gradients Selection: Working with selections			
10	May & III	04	Select by color and fuzzy, Select Bezier paths, Modifying selections with selection modes			
11	June & IV	04	Erasing and Touching Up: Dodge and burn tool, Clone tool, Sharpening using convolve tool Correcting Color Balance			
12	June & V	04	Filters: Filters, Blur, Enhance, Noise Filters.			
13	July & I	04	Revision			

References:

1. Textbook: Beginning GIMP from Novice to professional by Akkana Peck, 2nd Edition, Apress

G O V T . C O L L E G E F O R M E N (A) , K A D A P A

Department of Electronics

III B.Sc Sem.-III ANNUAL CURRICULAM PLAN

PAPER –III :Analog Circuits and Communication

ACADAMIC YEAR 2022-2023

NAME OF THE LECTURER: M.SRINIVASULU

CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS : B.Sc – M.E.Cs YEAR : II PAPER : III- ANALOG CIRUCITS AND COMMUNICATION
NAME OF THE LECTURER: M.SRINIVASULU

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 & 1st week	4+2	Syllabus and Model Paper Introduction	Analog component used in electronic circuits	Recall previous knowledge & Class room teaching Practical	4 2							
2	2nd week	4+2	Operational amplifiers: Definition, characteristics of op-amp, block diagram of op-amp.	Amplifier and its usage	Class room teaching Practicals	3 2			**e- Class**	1			
3	3rd week	4+2	Inverting and Non-inverting amplifiers, virtual ground and Summing amplifier and Subtractor.	Feed back and types	Class room teaching Practicals	4 2			**Assignment**	1			
4	4th week	4+2	Voltage follower, op-amp parameters, voltage to current convertor.	Current follower	Class room teaching Practicals	4 2							

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PRINCIPAL GOVT. COLLEGE FOR MEN (A) KADAPA.

CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS : B.Sc – M.E.Cs YEAR : II PAPER : III - ANALOG CIRUCITS AND COMMUNICATION
NAME OF THE LECTURER: M.SRINIVASULU

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	DEC & 1st week	4+2	Integrator, differentiator, differential amplifier, logarithmic amplifier.	RC differentiator and Integrator and wave forms.	Class room teaching Practicals	4 2			**Assignment**	1			
2	2nd week	4+2	Op-amp circuits: voltage regulator, comparator, zero crossingdetector, Instrumentation amplifier.	Voltage regulation.	Class room teaching Practicals	4 2							
3	3rd week	4+2	Sine wave generator, square wave generator and triangular wave generator. Filters: low pass, high pass and Band Pass filters.	Multivibrators.	Class room teaching Practicals	4 2			**Seminar**	1			
4	4th week	4+2	IC 555 timer block diagram and applications.	Comparator and flip flop	Class room teaching Practicals	4 2							

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KADAPA.

CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS : B.Sc – M.E.Cs YEAR : II PAPER : III - ANALOG CIRUCITS AND COMMUNICATION
NAME OF THE LECTURER: M.SRINIVASULU

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	JAN & 1st week	4+2	Amplitude Modulation: Need for modulation, amplitude modulation, analysis of amplitude modulated wave, Side bands.	Modulation and types.	Class room teaching Practicals	4 2			**Assignment**	1			
2	2nd week		SANKRANTHI HOLIDAYS		Class room teaching Practicals	4 2							
3	3rd week	4+2	Power relations in AM, Generation of AM- Transistor modulators. Detection of AM signals – Didode detector.		Class room teaching Practicals	4 2			**I Internal**	1			
4	4th week	4+2	Frequency Modulation: Theory of FM, frequency deviation, carrier swing, modulation index, deviation ratio, percent modulation. Mathematic analysis of FM.		Class room teaching Practicals	4 2			**Seminar**	1			

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CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS : B.Sc – M.E.Cs YEAR : II PAPER : III - ANALOG CIRUCITS AND COMMUNICATION
NAME OF THE LECTURER: M.SRINIVASULU

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	FEB & 1st week	4+2	Frequency spectrum and band width of FM waves, Generation of FM signals – Varactor diode and Basic reactance modulator.		Class room teaching Practicals	4 2			**e- Class**	1			
2	2nd week	4+2	Detection of FM Waves – FM demodulation with discriminator. Advantages of FM over AM.		Class room teaching Practicals	4 2							
3	3rd week	4+2	Radio Broadcasting and Reception: Spectrum of electro magnetic waves, Radio broadcasting reception.	Transmitters and recivers.	Class room teaching Practicals	4 2			**Assignment**	1			
4	4th week	4+2	AM Transmitter and Receivers – Straight forward receiver, superheterodyne receiver. FM receiver.		Class room teaching Practicals	4 2			**Seminar**	1			

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G O V T . C O L L E G E F O R M E N (A) , K A D A P A

Department of Electronics

II B.Sc Sem.- IV ANNUAL CURRICULAM PLAN

PAPER –IV: MICROPROCESSOR SYSTEMS

ACADAMIC YEAR 2022-2023

NAME OF THE LECTURER: M.SRINIVASULU

CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS :B.Sc – M.E.Cs YEAR : II Sem.: IV PAPER : IV- MICROPROCESSOR SYSTEMS
NAME OF THE LECTURER: M.SRINIVASULU

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	
2	Feb. 2nd week	4+2	Syllabus and Model Paper Introduction	Evaluation of microprocessors	Class room teaching Practicals	4 2			**e- Class**	1			
3	3rd week	4+2	Intel 8085 – features, Architecture, CPU,ALU unit , Register organization.	Flip flops and registers	Class room teaching Practicals	4 2			**Assignment**	1			
4	4th week	4+2	Address, data and control buses, Flags, Pin configuration of 8085 and addressing modes.	Bus	Class room teaching Practicals	4 2							

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CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS :B.Sc – M.E.Cs YEAR : II Sem. : IV PAPER : IV- MICROPROCESSOR SYSTEMS
NAME OF THE LECTURER: M.SRINIVASULU

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	Mar & 1st week	4+2	8086 Microprocessor Features, Architecture, Pin description, Instruction format, Instruction Execution timing.		Class room teaching Practicals	4 2			**Assignment**	1			
2	2nd week	4+2	Differences between 8085 and 8086 microprocessors. 8085 Instruction set: Data transfer Instructions.	8085 simulation	Class room teaching Practicals	4 2							
3	3rd week	4+2	Arithmetic instructions, Logical instructions, Branch instructions and Machine control instructions.	8085 simulation	Class room teaching Practicals	4 2			**Seminar**	1			
4	4th week	4+2	Assembly Language Programming using 8085: addition, subtraction, multiplication and division.	Flow chart and algorithms	Class room teaching Practicals	4 2							

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PRINCIPAL
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KADAPA.

CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS :B.Sc – M.E.Cs YEAR : II Sem. IV PAPER : IV- MICROPROCESSOR SYSTEMS
NAME OF THE LECTURER: M.SRINIVASULU

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. & 1st week	4+2	Largest and smallest number in an array. BCD to ASCII and ASCII to BCD.	BCD code And ASCII code	Class room teaching Practicals	4 2			**Assignment**	1			
2	2nd week	4+2	8086 configurations – Minimum mode and Maximum mode		Class room teaching Practicals	4 2							
3	3rd week	4+2	Interrupt priority Management. I/O Interfaces: Serial communication interface and Parallel communication. .	RS 232 cable.	Class room teaching Practicals	4 2			**I Internal**	1			
4	4th week	4+2	Programmable Timers, Keyboard and display, DMA controller.		Class room teaching Practicals	4 2			**Seminar**	1			

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CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS :B.Sc – M.E.Cs YEAR : II Sem.: IV PAPER : IV- MICROPROCESSOR SYSTEMS
NAME OF THE LECTURER: M.SRINIVASULU

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 & 1st week	4+2	Introduction to 16/32 bit processors – Features. Arm Architecture and Organization.		Class room teaching Practicals	4 2			**e- Class**	1			
2	2nd week	4+2	Features of ARM 7, ARM based MCUs, Programming model.		Class room teaching Practicals	4 2							
3	3rd week	4+2	Instruction set		Class room teaching Practicals	4 2			**Assignment**	1			

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Department of Electronics

II B.Sc Sem.- IV ANNUAL CURRICULAM PLAN

PAPER –V: MICROCONTROLLER AND INTERFACING

ACADAMIC YEAR 2022-2023

NAME OF THE LECTURER: M.SRINIVASULU

CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS :B.Sc – M.E.Cs YEAR : II Sem.: V PAPER : IV- MICROCONTROLLER AND INTERFACING
NAME OF THE LECTURER: M.SRINIVASULU

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	
2	Feb. 2nd week	4+2	Syllabus and Model Paper Introduction	Features of microcontroller.	Class room teaching Practicals	4 2			**e- Class**	1			
3	3rd week	4+2	Comparison of Microprocessor and Microcontroller, evolution of microcontrollers from 4 bit to 32 bit.	Block diagrams of Microprocessor and microcontroller.	Class room teaching Practicals	4 2			**Assignment**	1			
4	4th week	4+2	Development tools for microcontrollers – Asembler, compiler – simulator/ Debugger.	Keil simulator	Class room teaching Practicals	4 2							

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CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS :B.Sc – M.E.Cs YEAR : II Sem. IV PAPER : V- MICROCONTROLLER AND INTERFACING
NAME OF THE LECTURER: M.SRINIVASULU

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	Mar & 1st week	4+2	Block diagram of 8051, Architecture of 8051, program counter and memory organization.		Class room teaching Practicals	4 2			**Assignment**	1			
2	2nd week	4+2	Data types and directives, PSW register, register banks and stack.	Keil simulator	Class room teaching Practicals	4 2							
3	3rd week	4+2	Pin diagram of 8051, port organization, interrupts and timers.		Class room teaching Practicals	4 2			**Seminar**	1			
4	4th week	4+2	Addressing modes, Instruction set: Data transfer instructions	8085 data transfer instructions	Class room teaching Practicals	4 2							

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CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS :B.Sc – M.E.Cs YEAR : II Sem. IV PAPER : V- MICROCONTROLLER AND INTERFACING
NAME OF THE LECTURER: M.SRINIVASULU

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. & 1st week	4+2	Arithmetic instructions, logical instructions, single bit, jump loop and call instructions and their usage.	8085 instructions	Class room teaching Practicals	4 2			**Assignment**	1			
2	2nd week	4+2	Interrupts and timers.		Class room teaching Practicals	4 2							
3	3rd week	4+2	Assembly language programming: addition, subtraction, multiplication and division – both internal and external memories	Flow chart and algorithm Instruction set	Class room teaching Practicals	4 2			**I Internal**	1			
4	4th week	4+2	Largest and smallest number in an array, ascending order and descending order.	Instructions	Class room teaching Practicals	4 2			**Seminar**	1			

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CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS :B.Sc – M.E.Cs YEAR : II Sem.: IV PAPER : IV- MICROPROCESSOR SYSTEMS
NAME OF THE LECTURER: M.SRINIVASULU

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 & 1st week	4+2	PPI 8255, DAC, Temperature measurement.	ADC	Class room teaching Practicals	4 2			**e- Class**	1			
2	2nd week	4+2	Interfacing of seven segment displays, Displaying information on a LCD.		Class room teaching Practicals	4 2							
3	3rd week	4+2	Stepper motor(Uni polar) and its interfacing – Revision.		Class room teaching Practicals	4 2			**Assignment**	1			

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Department of Electronics

III B.Sc Sem.-V ANNUAL CURRICULAM PLAN

PAPER –VI: INDUSTRIAL ELECTRONICS

ACADAMIC YEAR 2022-2023

NAME OF THE LECTURER: M.SRINIVASULU

CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS **CLASS :B.Sc – M.E.Cs** **YEAR : III** **PAPER : VI- INDUSTRIAL ELECTRONICS**
NAME OF THE LECTURER: M.SRINIVASULU

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 & 1st week	4+2	Syllabus and Model Paper Introduction	Electronics devices used in industries.- Power supply.	Recall previous knowledge & Class room teaching Practical	4 2							
2	2nd week	4+2	Rectifiers and filters: Half wave rectifier: Efficiency, Ripple factor and regulation. – Harmonic Components	Diode- forward biased and reverse biased	Class room teaching Practicals	3 2			**e- Class**	1			
3	3rd week	4+2	Centre tapped Full wave rectifier: Efficiency, Ripple factor and regulation -Harmonic Components		Class room teaching Practicals	4 2			**Assignment**	1			
4	4th week	4+2	Bridge type Full wave rectifier: Efficiency, Ripple factor and regulation -Harmonic Components	Wheat stone bridge	Class room teaching Practicals	4 2							

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CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS :B.Sc – M.E.Cs YEAR : III PAPER : VI - INDUSTRIAL ELECTRONICS
NAME OF THE LECTURER: M.SRINIVASULU

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	DEC & 1st week	4+2	Types of filters: Choke input filter, Shunt capacitor filter. L-section and π section filters - characteristics	Passive components	Class room teaching Practicals	4 2			**Assignment**	1			
2	2nd week	4+2	Voltage regulators: Transistor Series voltage regulator and Transistor Shunt voltage regulator	Transistor and Zener diode	Class room teaching Practicals	4 2							
3	3rd week	4+2	Three terminal voltage regulators- 78XX and 79XX voltage regulators		Class room teaching Practicals	4 2			**Seminar**	1			
4	4th week	4+2	Power Supplies: Block diagram of regulated power supply, A simple regulated transistorized power supply.	Transformer-types	Class room teaching Practicals	4 2							

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CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS CLASS :B.Sc – M.E.Cs YEAR : III PAPER : VI - INDUSTRIAL ELECTRONICS
NAME OF THE LECTURER: M.SRINIVASULU

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	JAN & 1st week	4+2	Switch mode power supply- principle and working - applications	Usage of smps in computer	Class room teaching Practicals	4 2			**Assignment**	1			
2	2nd week		SANKRANTHI HOLIDAYS		Class room teaching Practicals	4 2							
3	3rd week	4+2	Voltage Multipliers: Half wave voltage doubler, full wave voltage doubler.voltagetripler . Applications of voltage multipliers.	Diodes and capacitors.	Class room teaching Practicals	4 2			**I Internal**	1			
4	4th week	4+2	Controller Rectifiers: SCR Half wave rectifier – construction, working and wave forms. Mathematical analysis for resistive load.	SCR and applications	Class room teaching Practicals	4 2			**Seminar**	1			

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CURRICULAR PLAN 2022-2023

DEPARTMENT: ELECTRONICS **CLASS :B.Sc – M.E.Cs** **YEAR : III** **PAPER : VI - INDUSTRIAL ELECTRONICS**
NAME OF THE LECTURER: M.SRINIVASULU

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	FEB & 1st week	4+2	SCR Full wave rectifier – construction, working and wave forms. Mathematical analysis for resistive load.		Class room teaching Practicals	4 2			**e- Class**	1			
2	2nd week	4+2	SCR series inverter and Parallel inverters. -	inverter	Class room teaching Practicals	4 2							
3	3rd week	4+2	Heating: Different methods of Industraial Heating and welding. Advantages of Electrical heating over other methods of heating.	Heating and welding in industry.	Class room teaching Practicals	4 2			**Assignment**	1			
4	4th week	4+2	Resistance, inductance and dielectric heating – Principle, operation and their application.		Class room teaching Practicals	4 2			**Seminar**	1			

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Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan : 2022-2023								
Name of the College : Government College for Men(A), Kadapa								
Title of the paper : Differential equations						**Sem - I**		**Paper: I**
Sno	**Month**	**Week**	**Hours available**	**Syllabus topic**	**Curricular**		**Co-curricular Activity**	
					Activity Conducted	**Hours allotted**	**Activity Conducted**	**Hours allotted**
1	**October**	**3 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	1
2		**4 week**	6	Differential Equations of first order and first degre, Exact differential equations.				
3	**November**	**1 week**	6	Equations Reducible to Exact form by using Integrating factors.Linear differential equations of fist order.				
4		**2 week**	6	Bernoulii's equation, Change of variables			Student Seminar	1
5		**3 week**	6	Orthogonal Trajectories(cartesian &polar cordinates)				
6		**4 week**	6	Differential equations solvable for ' *p* ', Differential			Assignment	1
7	**December**	**1 week**	6	Differential equations solvable for ' *y* '. Clairaut's equations				
8		**2week**	6	Higher order linear differential equations,General solution of *f(D)y* = 0			Student seminar	1
9		**3 week**	6	General solution of f(D)y = *b* e^*ax, b sinax or b cosax*				

10		**4 week**	6	Solution of non-homogeneous linear diffential equations with constant coefficients			Celebration of Sri Srinivasa Ramanujan Birthday	1
11	**January**	**1 week**	6	Solution of non-homogeneous linear diffential equations with constant coefficients				
12		**3 week**	6	Solution of non-homogeneous linear diffential equations with constant coefficients				
13		**4 week**	6	Higher order linear differential equations, Method of variation of parameters.Cauchy Euler Equations .Revision			Assignment	1

Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan : 2022-2023								
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**		**Co-curricular Activity**	
					Activity Conducted	**Hours allotted**	**Activity Conducted**	**Hours allotted**
1	**Feb**	**3 week**	**6**	Introduction of syllabus and question papers. Inrodution of unit I plane.Equation of plane thoughthegiven points.				
2		**4 week**	6	Length of perpendicular to the plane from a given point, Bisectors of angles between two planes orthogonal projection on a plane.			Quize	1
3	**March**	**1 week**	6	Equation of line ,angle between a line and a plane. The condition that two gien lines are Coplanar lines.				
4		**2 week**	6	The shortest distance between two Skew lines			Student Semianr	1
5		**3 week**	6	The length of the perpendicular from a given point to a given line.				
6		**4 week**	6	Definition and Equation of a sphere, Sphere passing through four points,				
7	**April**	**1 week**	6	Plane section of a sphere,Sphere through a given circle,				
8		**2 week**	6	Intersection of a sphere and a line,tangent plane, polar plane, pole of the polar plane.			Assignment	1
9		**3 week**	6	Angle of intersection of two spheres,Coaxial system of spheres, Limiting points				
10		**4 week**	6	Cone introduction, Quadratic cones with vertex at the origin, Cone with a base curve.Enveloping cone of sphere,Right circular cone			Student Semianr	1
11	**May**	**1 week**	6	Vertex of a cone, Intersection of a line and a cone. Reciprocal cone				
12	**June**	**2 week**	6	Definition of Cylinder,Equation of the cylinder whose generator intersect a given conic and parrel to a given line.			Assignment	1
13		**3 week**	6	Enveloping cylinder of a sphere, the right circular cylinder , the equation of the right circulatr cylinder with a given axis and				

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Proforma for Annual Curricular Plan (Lecturer wise):2022-23								
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 Activity		Co-curricular Activity	
					Activity Conducted	Hours allotted	Activity Conducted	Hours allotted
1	OCT	3 week	6	Binary operation-Algebraic structures,Semigroup,Monoid,Group				
2		4 week	6	Elementary Properties,Examples,Finite &infinite groups,Composition tables				
3	NOV	1 week	6	Order of an element				
4		2 week	,	Complex , Multiplication of Complexes,Inverse of a complex,Subgroup-Def,Examples ,Criterion for Subgroups			GD	1
1		3 week	6	Product of two Subgroups,Union &intersection of Subgroups				
2		4 week	6	Cosets ,Properties ,Langrages Theorem.Normal sub groups-properties			Student Seminar	1
1	DEC	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				
3		3 week	6	Definition of Permutation,Permutation Multiplication ,Inverse of a permutation			Assignment	1
4		4 week	6	Cyclic Permutation,Transposition,Even and Odd Permutation, Cleys Theorem			Mathematics Day	1
1	JAN	1 week	6	Def. of Cyclic group,Properties,,No. of generators of a finite Cyclic group & infinite cyclic groups				
2		3 week	6	Def. of Ring,Basic properties, Boolean Ring, Zero Divisors, Cancelation Laws			Student Seminar	1
3		4 week	6	Integral Domains,Division Rings, &Fields.The Characteristic of a Ring ,Integral Domain &Field.Sub Rings and Ideals -properties.			Assignment	1

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Proforma for Annual Curricular Plan :2022-23								
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 Activity**		**Co-curricular Activity**	
					Activity Conducted	**Hours allotted**	**Activity Conducted**	**Hours allotted**
1	**FEB**	**3 week**	6	Real Numbers-The algebraic and order properties of R, Absolute values ,Completeness property & intervals				
2		**4 week**	6	Sequences &their limits, Range and boundedness of Sequences , Limit of a sequence and convergence of a sequence .Cauchy Sequence			Quize	1
3	**MAR**	**1 week**	6	Divergence sequences, Monotone Sequnces , N &S condition for convergence,Limit point,Bolazano s theorem,Cauchy general principle of convergence.				
4		**2 week**	6	Convergence of Series , Cauchy general principal of convergence . Series of non negative terms , p-test				
5		**3 week**	6	Cauchy n th root test,Limit comparision test, Ratio test, Leibnitz test, Absolute convergence and conditional convergence				
6		**4 week**	6	Real valued functions,Boundedness of a function ,Limits of a function ,infinite limits , limits at infinity			Assignment	1
7	**APR**	**1 week**	6	Continuous functios ,Properties, Types of Discontinuties				
8		**2 week**	6	Continuous functionson intervals,Uniform continuity			Seminar	1
9		**3 week**	6	Derivative of a function at a point, on an interval, problems				
10		**4 week**	6	Derivability & continuity , Graphical meaning of Derivative				
11	**MAY**	**1 week**	6	Mean value therorems, Rolles theorems , Lagranges theorem, ,Cauchy theorem				
12	**JUN**	**2 week**	6	Reimann integrable functions,U(P,f),L(P,f),Darbouxs theorem,problems			Assignment	1

Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan :2022-23								
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 Activity		Co-curricular Activity	
					Activity Conducted	Hours allotted	Activity Conducted	Hours allotted
1	FEB	3 week	6	Vector spaces, General properties, n dimensional vector space				
2		4 week	6	Vector subspaces, Algebra of subspaces, Linear sum of two subspaces.				
3	MAR	1 week	6	Linear combination of vectors, Linear span, Linear Independence and Linear dependance of vectors				
4		2 week	6	Basis of a vector space, Finite Dimensional Vector Space, Basis Extension			Assignment	1
5		3 week	6	Dimension of a subspace, Quotient Space and Dimension of Quotient Space.				
6		4 week	6	Linear transformations, Linear operators, Propetires of Linear Transformations.			Seminar	1
7	APR	1 week	6	Sum and product of Linear Transformations,, Algebra of Linear operators, Range and Null space of Linear Transformations				
8		2 week	6	Rank and Nullity of Linear transformations, Rank-Nullity Theorem, Problems			Quize	1
9		3 week	6	Matrices, Elementary properties, Invertible Matrices, Rank of a matrix				
10		4 week	6	System of homogeneous Linear equations.				
11	MAY	1 week	6	System of non-homogeneous Linear equations.			Seminar	1
12	JUN	2 Week	6	Charecteristic Values and Charecteristic vectors.			Assignment	1
13		3 Week	6	Cayley-Hamilton Theorem				

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Commissionerate of Collegiate Education, A.P.,								
Annual Curricular Plan :2022-23								
Name of the College: Government College for Men(A), Kadapa								
Title of the paper: Multiple Integrals and Vector Calculus					**SEM V**		**Paper: VI**	
Sno	**Month**	**Week**	**Hours available**	**Syllabus topic**	**Curricular Activity**		**Co-curricular Activity**	
					Activity Conducted	**Hours allotted**	**Activity Conducted**	**Hours allotted**
	NOV	**4 week**	4+2	Introduction, Double integrals, Evaluation of double integrals,Properties of double integrals				
2	**DEC**	**1 week**	4+2	Region of integration,Change of variables in double integrals, Fubini ' s theorem(only statement)				
3		**2 week**	4+2	Change of order of integration, Double integration in polar coordinates				
4		**3 week**	4+2	Triple integrals, Region of integration,Change of variables			Celebration of Sri Srinivasa Ramanujan Birthday	1
5		**4 week**	4+2	Plane areas by double integrals,Surface area by double integral.				
6	**JAN**	**1 week**	4+2	Volume as a double integral,Volume as a triple integral			Assignment	1
7		**3 week**	4+2	Vector Differentiation,Ordinary derivatives of vectors				
8		**4 week**	4+2	Differentiability,Gradient,Divergence,Curl operators			GD	1

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9		**1 week**	4+2	Formulae involving the Operators				
10		**2 week**	4+2	Line Integrals with examples			Quize	1
11	**FEB**	**3 week**	4+2	Surface Integrals with example				
12		**4 week**	4+2	Volume integrals with examples			Student Semianr	1
13		**1 week**	4+2	Gauss theorem & its applications			Assignment	1
14	**MAR**	**2 week**	4+2	Green 's theorem in plane & its applications				
15		**3 week**	4+2	Stoke's theorem & its applications			Student seminar	1

Commissionerate of Collegiate Education, A.P.,								
Proforma for Annual Curricular Plan (Lecturer wise):2022-23								
Name of the College: Government College for Men(A), Kadapa								
Title of the paper: Integral Transforms with applications						**SEM V**		**Paper: VII**
Sno	**Month**	**Week**	**Hours available**	**Syllabus topic**	**Curricular Activity**		**Co-curricular Activity**	
					Activity Conducted	**Hours allotted**	**Activity Conducted**	**Hours allotted**
1	**NOV**	**4 week**	4+2	Definition of Laplace transforms, Linearity property, piecewise continuous function-problems.Existance of Laplace ransforms, Functions of exponential order of class A.				
2	**DEC**	**1 week**	4+2	First and second shifting theorems of Laplace transforms, change of scale property.			Quize	1
3		**2 week**	4+2	Laplace transforms of derivatives, Initial and Final value theorems and problems				
4		**3 week**	4+2	Laplace transforms of integrals, multiplication by t,division by t,Laplace transform of periodic functions.				
5		**4 week**	4+2	Laplace transform of some special functions namely error functions,Bessel functions and periodic functions.			Celebration of Sri Srinivasa Ramanujan Birthday	1
6	**JAN**	**1 week**	4+2	Definition and linearity property of inverse Laplace transforms. First and second shifting properties inversre Laplace transforms.				
7		**3 week**	4+2	Change of scale property,use of partial fractions ,multiplication by p, division by p				
8		**4 week**	4+2	Convolution theorem, Heaviside's expansion formula and its applications			Assignment	1

9		**1 week**	4+2	Convolution theorem, Heaviside's expansion formula and its applications				
10		**2 week**	4+2	Applications of Laplace transforms to ordinary differential equations with constant coefficients				
11	**FEB**	**3 week**	4+2	Applications of Laplace transforms to ordinary differential equations with variable coefficients				
12		**4 week**	4+2	Applications of Laplace transforms to integral equations - Abel's integral equations -problems			Student Semianr	1
13		**1 week**	4+2	Definition of Fourier transforms, Fourier integral theorem(without proof),Fourier sine and cosine integrals.			Assignment	1
14	**MAR**	**2 week**	4+2	Properties of Fourier transforms, change of scale property, shifting property,modulation theorem- prolems				
15		**3 week**	4+2	Convolution theorem for Fourier transform,problems,parseval's identity.			Student Semianr	1

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Govt. College for Men (A): Kadapa

Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS Class : B.Sc. M.P.CS (E M) Year :III SEM: IV Paper :IV (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	JULY 1st week												
2	2nd week	4+2	Electrostatics, Coulombs' law, Gauss law statement and proof, applications, field due to infinite sheet of charge,	Lightening thunderbolts	class room teaching Practicals	3 2			Group discussion	1	Yes		
3	3rd week	4+2	Electric Field due to charged cylinder, charged sphere etc Equipotential surfaces,	electric potential	class room teaching Practicals	4 2							
4	4th week	4+2	Potential due to spherical conduction, electric dipole, infinite line of charge and problems	Charge. electric potential, Gauss's law, shapes of sphere and cylinder	Class room teaching Practicals	3 2			Evaluation assignment	1	Yes		

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Govt. College for Men (A): Kadapa

Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS Class : B.Sc. M.P.CS (E M) Year :III SEM: IV Paper :IV (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	AUG 1st week	4+2	DIELECTRICS: Dielectrics definition and examples: Polar and non polar dielectrics examples, Electric dipole moment , molecular polarizability.	Electric field strength,	Class room teaching Practicals	2 2	Yes Yes Yes		Student seminar	1	Yes		
2	2nd week	4+2	Electric displacement (D), Electric Polarization(P), Intensity of electric field(E), Relation between D,E,P derivation	condenser principle	Class room teaching Practicals	3 2	Yes Yes						
3	3rd week	4+2	Dielectric constant and susceptibility, problem solving		Class room teaching	3	Yes		General quiz	1	Yes		
4	4th week	4+2	Moving charge in electric and magnetic fields: Hall effect, Expression for Hall voltage		Practicals Class room teaching Practicals	2 3 2	Yes Yes		Group Discussion	1	Yes		

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Govt. College for Men (A): Kadapa

Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS Class : B.Sc. M.P.CS (E M) Year :III SEM: IV Paper :IV (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				
					Activity	Hours allotted	Whether conducted	If not alternate date	Activity	Hours allotted	Whether conducted	If not alternate date	Remarks
1	Sept. 1st week	4+2	Biot-Severt's law and its applications calculation of magnetic field due to long straight wire,	Different types of condensers	Class room teaching Practicals	3 2	Yes Yes		assignment	1	Yes		
2	2nd week	4+2	calculation of magnetic field due to circular loop carrying current land solenoid, energy stored in the magnetic field expression	Fleming left hand rule	Class room teaching Practicals	3 2	Yes Yes		career guidance	1	Yes		
3	3rd week	4+2	Electromagnetic induction: Faraday's law, Lenz's law, expression for induced emf, electromotive force	Development and necessity of partical accelerators.	Class room teaching Practicals	3 2	Yes Yes		Unit test	1	Yes		
4	4th week	4+2	self and mutual inductances, coefficient of coupling, calculation of a self inductance of along solenoid	Transformers electromagnet	Class room teaching Practicals	3 2	Yes Yes		Student seminar	1	Yes		

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Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS Class : B.Sc. M.P.CS (E M) Year :III SEM: IV Paper :IV (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 1st week	4+2	Transformer, Energy losses, Efficiency derivation, problem solving	Electric and magnetic fields	Class room teaching Practicals	3 2			ICT	1 1			
2	2nd week	4+2	Dasara holidays (02-10-2022 to 09-10-2022										
3	3rd week	4+2	Problem solving on electromagnetic induction		Class room teaching	3				1			
4	4th week	4+2	Internal exams		Practicals	2				1			

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Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS Class : B.Sc. M.P.CS (E M) Year :III SEM: IV Paper :IV (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 1st week	4+2	LCR circuit, critical damping, alternating current,	Inductors	Class room teaching Practicals	3 2			Field visit	1			
2	2nd week	4+2	relation between current and voltage in pure RC and L- vector diagrams		Class room teaching Practicals	3 2			Field visit	1			
3	3rd week	4+2	LCR circuit , power factor, series and parallel resonant circuit and Q – factor	Addition of vectors	Class room teaching Practicals	2 2			Assignment	1			
4	4th week	4+2	Review of lesion and problem solving	Tuning of radios and TV	Class room teaching Practicals	3 2			unit test	1			

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Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS Class : B.Sc. M.P.CS (E M) Year :III SEM: IV Paper :IV (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	DEC 1st week	4+2	Maxwell's equations and electromagnetic waves: A review of basic laws of electricity and magnetism, displacement current Maxwell's equations in differential form	Life history of Maxwell	Class room teaching Practicals	3 2			Essay in science	1			
2	2nd week	4+2	Maxwell's wave equation, plane electromagnetic waves , Transverse nature of electro - magnetic waves Poynting theorem, Production of electromagnetic waves.(Hertz expt)	Waves	Class room teaching Practicals	4 2			ICT class II term exams				
3	3rd week	4+2	Semi-conductor Devices: Band theory of solids, intrinsic and extrinsic semiconductors, continuity equation	Types of solids	Class room teaching Practicals	3 2			Assignment Career guidance	1			
4	4th week	4+2	P-N junction diode, Zener diode, Half wave and full wave rectifiers and filters, ripple factor	History of Valve diodes	Class room teaching Practicals	3 2				1			

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Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS Class : B.Sc. M.P.CS (E M) Year :III SEM: IV Paper :IV (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	JAN 1st week	4+2	PNP and NPN transistors, current components CB, CE, CC configurations, transistor hybrid parameters, determination of hybrid parameters	History of Scientists	Class room teaching Practicals	2 2			seminar Unit test				
2	2nd week	4+2	PONGAL HOLIDAYS (11-01-2023 to 17-01-2023)	------	--------	-----			-------				
3	3rd week	2+2	DIGITAL PRINCIPLES: Binary arithmetic, logic gates and truth tables	Decimal system	Class room teaching Practicals	2 2			Unit test				
4	4th week	4+2	Universal gates truth tables, half and full adders, De Morgan's theorems – statements and proof.	Life history of De morgan	Class room teaching Practicals	4 2			Evaluation				

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Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS Class : B.Sc. M.P.CS (E M) Year :III SEM: IV Paper :IV (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	FEB 1st week	4+2	PRE FINAL Exams										
2	2nd week	4+2	PRACTICAL EXAMS										
3	3rd week	4+2	PRACTICAL EXAMS										
4	4th week	4+2	PRACTICAL EXAMS										

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Govt. College for Men (A): Kadapa

Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS Class : B.Sc. M.P.CS (E M) Year :III SEM: V Paper : 6C Applications of Electricity, Magnetism

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 reason	
1	Dec 1st week	4+2	Dictation of syllabus and introduction Unit-I: Introduction to Passive and Active elements-Examples,	Discussion on exams		4	yes						
2	2nd week	4+2	**Resistor**-TypesofResistors,Colorcoding-ApplicationsofaResistorasaheatingelementinheatersandasafuseelement	Different types of resistors Colour coding	class room teaching Practicals	4							
3	3rd week	4+2	**Capacitor**-Types of Capacitors, Color coding, Energy stored in a capacitor, Applications of Capacitor in power supplies, motors (Fans) etc.**,**	Capacitors coding	class room teaching Practicals	4 2							
4	4th week	4+2	**Inductor**-Types of Inductors, EMF induced in an Inductor, Applications of Inductor, Application of choke in a fan and in a radio tuning circuit	Use of choke in tube light	Class room teaching Practicals	4 2			Evaluation assignment	1			

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Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS **Class : B.Sc. M.P.CS (E M)** **Year :III** **SEM: V** **Paper : 6C Applications of Electricity, Magnetism**

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 2 3 4	JAN 1st week 2nd week 3rd week 4th week	4+2 -- 4+2 4+2	**Unit-II: Power Sources(Batteries)** Types of power sources-DC & AC sources, Different types of batteries, Rechargeable batteries – Lead acid batteries, Ni-MH batteries, Li-ion batteries- Li-PO batteries, Pongal holidays Series Parallel &Series-Parallel configuration of batteries, Constant Voltage source-Constant Current Source- Applications of Current sources & Voltage sources, SMPS used in computers.	Different batteries and uses Cell arrangements in torch and radios	Class room teaching Practicals Class room teaching Practicals Class room teaching Practicals	2 4 3 2 3 2			Student seminar General quiz Group Discussion	1 1 1			

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Govt. College for Men (A): Kadapa

Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS Class : B.Sc. M.P.CS (E M) Year :III SEM: V Paper : 6C Applications of Electricity, Magnetism

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	FEB 1st week	4+2	**Unit-III: Alternating Currents** A.C Power source-Generator, Construction and its working principle, Transformers-Construction and its working principle, Types of Transformers	Different types current sources	Class room teaching Practicals	3 2 3			assignment	1 1			
2	2nd week	4+2	Step-down and Step-up Transformers, Relation between primary turns and secondary turns of the transformer with emf.,	Transformer uses	Class room teaching Practicals	2 3			career guidance				
3	3rd week	4+2	Use of a Transformer in a regulated Power supplies, Single phase motor –working principle, Applications of motors.	Transformers electromagnet	Class room teaching Practicals	2 3			Unit test	1			
4	4th week	4+2	**Unit-IV: Power Supplies** Working of a DC regulated power supply, Construction of a 5 volts regulated power supply, Design of a step-down (ex: 220-12V) and step-up (ex: 120-240V) transformers	Power supply necessity	Class room teaching Practicals	2			Student seminar	1			

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Govt. College for Men (A): Kadapa

Proforma for Annual Curricular Plan (Lecture wise): 2022-23

Department: PHYSICS Class : B.Sc. M.P.CS (E M) Year :III SEM: V Paper : 6C Applications of Electricity, Magnetism

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	MAR 1st week	4+2	Simple Design of FM Radio circuit using LCR series resonance (tuning) circuit, Checking the output voltage of a battery eliminator using a Multi Meter.	Electric and magnetic fields	Class room teaching	3			ICT	1			
2	2nd week	4+2	Design of a simple 5 volts DC charger, Power supply for computers (SMPS) Internal exams	Demonstration in Lab	Practicals	2				1			
3	3rd week	4+2	**Unit-V Applications of Electromagnetic Induction:** DC motor – Construction and operating principle, Calculation of power, voltage and current in a DC motor.							1			
4	4th week	4+2	Design of a simple Motor (for example Fan) with suitable turns of coil-DC generator-Construction, operating principle and EMF equation, Construction of a simple DC generator, Difference between DC and AC generators		Class room teaching Practicals	2 2				1			

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

Year: 2022 - 23 Semester: I
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	Oct III	04	Introduction to Statistics, Definition, Origin and development of Statistics, Applications and limitations of statistics.	Lecture, PPT	Assignment	
2	Oct IV	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	Nov I	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	Nov II	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	Nov III	04	Concept of Dispersion-Various measures of dispersion and their merits and demerits, properties and applications of dispersion.	Lecture Derivations		
6	Nov IV	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	DEC I	04	Symmetric frequency distribution. Concept of Skewness of frequency distribution- positive skewness and negative skewness. Measures of skewness- Karl pearson's cofficient of skewness - Bowley's coefficient of Skewness,- Based on moments(β_1, γ_1). Concept of Kurtosis- lepto kurtic, meso kurtic and platy kurtic frequency distributions. Measures of Kurtosis based on moments (β_2, γ_2).	Lecture	Seminar	

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8	DEC II	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	DEC III	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	DEC IV	04	Correlation ratio, concept of multiple and partial correlation coefficients (three variables only) and properties	Lecture	Assignment	
11	JAN I	04	Concept of Regression, Linear Regression: Regression lines, Regression coefficients and it's properties,	Lecture, PPT	Assignment	
12	JAN I	04	Regressions lines for bi-variate data and simple problems.	Lecture	Assignment	
13	JAN II	04	Correlation vs regression. concept of multiple linear regression and partial regression.	Lecture	Seminar	
14	JAN III	04	Introduction of Attributes**,** Notations, Class, Order of class frequencies, Ultimate class frequencies, Consistency ofdata, Conditions for consistency of data for 2 and 3 attributes only	Lecture	Assignment	
15	JAN IV	04	Independence of attributes , Association of attributes and its measures, Relationship between association and colligation of attributes,Contingency table: Square contingency($\aleph^2$**),** Mean square contingency($\varphi 2$ **)**, Coefficient of mean square contingency (C), Tschuprow's coefficient of contingency (τ^2).	Lecture		

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Government College for Men (Autonomous): Kadapa
Department of Statistics
Teaching Plan
Paper 2: Probability Theory and Distributions

Year: 2022 - 23 Semester: II
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	Feb II	04	Basic concepts in probability-deterministic and random experiments, trail, 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	Feb III	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	Feb IV	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	March I	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	March 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	March 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	March 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	April 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. Possion approximation to Binomial distribution.	Lecturer		
9	April 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	April 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	April IV	04	Hyper-geometric distribution - Definition, mean, variance, Binomial approximation to Hyper Geometric Distribution	Lecture	Assignment	
12	May 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	May 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	May III	04	Normal Distribution: Definition, Importance, Properties, M.G.F, CF. and Mode	Lecture, PPT	Assignment	
15	May 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: 2022-23 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	Oct III	04	Introduction of Exact Sampling distributions, Population, Sample, Parameter, statistic, Sampling distribution, Standard error.	Lecture		
2	Oct IV	04	Definition and properties of Student's t- distribution, F – Distribution and their applications.	Lecture	Assignment	
3	Nov I	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	Nov II	04	Estimation of a parameter, criteria of a good estimator – unbiasedness and consistency – problems discussed	Lecture, PPT	Seminar	
5	Nov III	04	efficiency, &sufficiency and. Statement of Neyman's factorization theorem – Problems discussed	Lecture	Assignment	
6	Nov IV	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	DEC I	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	DEC II	04	Neyman-Pearson's lemma. Examples in case of Binomial, Poisson, Exponential and Normal distributions.	Lecture	Seminar	
9	DEC III	04	Large sample test for single mean and difference of two means, confidence intervals for mean(s).	Lecture	Assignment	
10	DEC IV	04	Large sample test for single proportion, difference of proportions. standard deviation(s) and correlation coefficient(s**).**	Lecture	Seminar	

11	JAN I	04	t-test for single mean, difference of means and paired t-test. F-test for equality of variances.	Lecture	Assignment	
12	JAN I	04	χ^2- test for single variance, χ^2 - test for goodness of fit and independence of attributes.	Lecture	Assignment	
13	JAN II	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	JAN III	04	Sign test and Wilcoxon-signed rank tests for paired sample.	Lecture, PPT	Assignment	
15	JAN IV	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: 2022- 2023 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	Feb II	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	Feb III	04	Types of sampling: Subjective, probability and mixed sampling methods.	Lecture	Seminar	
3	Feb IV	04	Simple random sampling , selection procedure of simple random sampling, Advantages and Disadvantages of simple random sampling.	Lecture	Assignment	
4	March I	04	Estimation of population mean, population total and variance of these estimates by Simple random sampling with and without replacement.	Lecture		
5	March II	04	Comparison between SRSWR and SRSWOR.	Lecture	Assignment	
6	March III	04	Stratified random sampling, Advantages and Disadvantages of Stratified Random sampling, Estimation of population mean, and its variance.	Lecture	Seminar	
7	March IV	04	Stratified random sampling with proportional and optimum allocations. Comparison between proportional and optimum allocations with SRSWOR.	Lecture	Assignment	

8	April I	04	Systematic sampling definition when N = nk and merits and sdemerits of systematic sampling	Lecture		
9	April II	04	Estimate of mean and its variance. Comparison of systematic sampling with Stratified and SRSWOR.	Lecture	Assignment	
10	April III	04	Analysis of variance(ANOVA) –Definition and assumptions. One-way with equal and unequal classification, Two way classification.	Lecture, PPT		
11	April 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	May I	04	Randomized Block Design (R.B.D) – layout and Analysis, Missing plot technique in RBD. Efficiency RBD over CRD,	Lecture, PPT	Assignment	
13	May 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	May III	04	Factorial experiments – Main effects and interaction effects of 2^2 factorial experiment - Statistical analysis.	Lecture	Assignment	
15	May 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: 2022- 2023 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	Feb II	04	Time Series and its components with illustrations, additive, multiplicative models.	Lecture, PPT		
2	Feb III	04	Determination of trend by least squares (Linear trend, parabolic trend only) moving averages method.	Lecture, PPT	Assignment	
3	Feb IV	04	Determination of seasonal indices by simple averages method, ratio to moving average, Ratio to trend and Link relative methods.	Lecture, PPT		
4	March I	04	Modified exponential curve, Logistic curve and Grompertz curve	Lecture	Seminar	
5	March II	04	fitting of growth curves by the method of three selected points and partial sums.	Lecture	Assignment	
6	March III	04	Concept, construction, problems involved in the construction of index numbers, uses and limitations.	Lecture	Assignment	
7	March IV	04	Simple and weighted index numbers. Laspayer's, Paasche's and Fisher's index numbers,	Lecture	Seminar	
8	April I	04	Criterion of a good index number, Fisher's ideal index numbers. Fixed and chain base index numbers.	Lecture	Assignment	
9	April II	04	Cost of living index number and wholesale price index number. Base shifting, splicing and deflation of index numbers.	Lecture		
10	April III	04	Functions and organization of CSO and NSSO. Agricultural Statistics, area and yield statistics.	Lecture, PPT	Assignment	
11	April IV	04	National income and computation, utility and difficulties in estimation of national income.	Lecture		
12	May 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(STDR).	Lecture,	Seminar	
13	May II	04	Fertility rates: crude birth rate(CBR), age specific fertility rate(ASFR), general fertility rate(GFR), total fertility rate(TFR).	Discussion	Assignment	
14	May 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		
15	May IV	04	Old question papers	Discussion	Seminar	

Government College for Men (Autonomous): Kadapa

Department of Statistics

Teaching Plan

Paper - 7: Operations Research - I

Year: 2022 - 23 Semester: V

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 III	04	Introduction of OR – Origin and development of OR – Nature and features of OR –Scientific Method in OR – Modeling in OR – Advantages and limitations of Models-General Solution methods of OR models – Applications of Operation Research.	Lecture, PPT		
2	Nov IV	04	Linear programming problem (LPP) -Mathematical formulation of the problem - illustrations on Mathematical formulation of Linear programming of problem.	Lecture, PPT	Assignment	
3	Dec I	04	Graphical solution of linear programming problems. Some exceptional cases - Alternative solutions, Unbounded solutions, non-existing feasible solutions by Graphical method.	Lecture, PPT		
4	Dec II	04	General linear programming Problem(GLP) – Definition and Matrix form of GLP problem, Slack variable, Surplus variable, unrestricted Variable, Standard form of LPP and Canonical form of LPP.	Lecture	Seminar	
5	Dec III	04	Definitions of Solution, Basic Solution, Degenerate Solution, Basic feasible Solution and Optimum Basic Feasible Solution.	Lecture	Assignment	
6	Dec IV	04	Introduction to Simplex method and Computational procedure of simplex algorithm. Solving LPP by Simplex method (Maximization case and Minimization case)	Lecture	Assignment	
7	Jan I	04	Artificial variable technique - Big-M method and Two-phase simplex method.	Lecture	Seminar	
8	Jan II	04	Degeneracy in LPP and method to resolve degeneracy.	Lecture	Assignment	
9	Jan III	04	Alternative solution, Unbounded solution, Non existing feasible solution and Solution of simultaneous equations by Simplex method.	Lecture		
10	Jan IV	04	Duality in Linear Programming –Concept of duality -Definition of Primal and Dual Problems.	Lecture, PPT	Assignment	

11	Feb I	04	General rules for converting any primal into its Dual, Economic interpretation of duality, Relation between the solution of Primal and Dual problem(statements only).	Lecture		
12	Feb II	04	Using duality to solve primal problem. Dual Simplex Method.	Lecture,	Seminar	
13	Feb III	04	Post Optimal Analysis- Changes in cost Vector **C**	Discussion	Assignment	
14	Feb IV	04	, Changes in the Requirement Vector **b** and changes in the Coefficient Matrix **A**. Structural Changes in a LPP.	Lecture		
15	Mar I	04	Old question papers	Discussion	Seminar	

Government College for Men (Autonomous): Kadapa

Department of Statistics

Teaching Plan

Paper - 7: Operations Research - II

Year: 2022 - 23 Semester: V

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 III	04	Transportation Problem- Introduction, Mathematical formulation of Transportation problem. Definition of Initial Basic feasible solution of Transportation problem- North-West corner rule, Lowest cost entry method, Vogel's approximation method.	Lecture, PPT		
2	Nov IV	04	Method of finding optimal solution-MODI method(U-V method). Degeneracy in transportation problem, Resolution of degeneracy,	Lecture, PPT	Assignment	
3	Dec I	04	Unbalanced transportation problem. Maximization TP. Transshipment Problem.	Lecture, PPT		
4	Dec II	04	Assignment Problem -Introduction, Mathematical formulation of Assignment problem, Reduction theorem (statement only).	Lecture	Seminar	
5	Dec III	04	Hungarian Method for solving Assignment problem, Unbalanced Assignment problem.	Lecture	Assignment	
6	Dec IV	04	The Traveling salesman problem, Formulation of Traveling salesman problem as an Assignment problem and Solution procedure.	Lecture	Assignment	

7	Jan I	04	Sequencing problem: Introduction and assumptions of sequencing problem, Sequencing of n jobs and one machine problem. Johnson's algorithm for n jobs and two machines problem	Lecture	Seminar	
8	Jan II	04	Problems with n-jobs on two machines, Gantt chart, algorithm for n jobs on three machines problem- problems with n- jobs on three machines,	Lecture	Assignment	
9	Jan III	04	Algorithm for n jobs on m machines problem, problems with n-jobs on m-machines. Graphical method for two jobs on m–machines.	Lecture		
10	Jan IV	04	Network Scheduling: Basic Components of a network, nodes and arcs, events and activities– Rules of Network construction	Lecture, PPT	Assignment	
11	Feb I	04	Time calculations in networks - Critical Path method (CPM)	Lecture		
12	Feb II	04	Time calculations in networks - PERT.	Lecture,	Seminar	
13	Feb III	04	Game theory: Two-person zero-sum games. Pure and Mixed strategies. Maxmin and Minimax Principles - Saddle point and its existence. Games without Saddle point-Mixed strategies. Solution of 2 x 2 rectangular games.	Discussion	Assignment	
14	Feb IV	04	Graphical method of solving 2 x n and m x 2 games. Dominance Property. Matrix oddment method for n x n games. Only formulation of Linear Programming Problem for m x n games.	Lecture		
15	Mar I	04	Old question papers	Discussion	Seminar	

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Zoology – Annual Curricular Plan

PaperI: ANIMAL DIVERSITY – BIOLOGY OF NONCHORDATES

Year: 2022-23 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	Oct II	04	Principles of Taxonomy – Binomial nomenclature – Rules of nomenclature Whittaker's five kingdom concept and classification of Animal Kingdom.	Lecture, PPT	-
2	Oct III	04	General Characters and classification of protozoa up to classes with suitable examples Locomotion, nutrition and reproduction in Protozoans,*Elphidium (type study)*	Lecture & Demonstration	Assignment
3	Oct IV	04	Protozoan Parasites: Pathogenicity of Entamoeba, Plasmodium, Leishmania and Trypanosoma, General characters and classification up to classes with suitable examples Skelton in Sponges	Lecture, PPT	Assignment
4	Nov I	04	Canal system in spongs, General characters and classification up to classes with suitable examples , Metagenesisin*Obelia ,* Polymorphism in coelenterates	Lecture, PPT	Seminar
5	Nov II	04	Corals and coral reefs,General Characters and Evolutionary significance(affinities), General characters and classification up to classes with suitable examples, Life cycle and pathogenecity of *Fasciola hepatica*	Lecture, PPT	
6	Nov III	04	Parasitic Adaptations in helminthes, General characters and classification up to classes with suitable examples	Lecture, Discussion	
7	Nov IV	04	Life cycle and pathogenecity of *Ascarislumbricoides,* General characters and classification up to classes with suitable examples, Evolution of Coelom and Coelomoducts	Lecture	

8	Dec I	04	Vermiculture - Scope, significance, earthworm species, processing, Vermicompost, economic importance of Vermicompost	Discussion	Assignment
9	Dec II	04	General characters and classification up to classes with suitable examples ,Vision and respiration in Arthropoda	Lecture, PPT	Assignment
10	Dec III	04	Metamorphosis in Insects,*Peripatus* - Structure and affinities,Social in Bees and Termites, Economic importance of Honey bee, *Lacciferlacca and Bombyx mori*	Lecture	Seminar
11	Dec IV	04	General characters and classification up to classes with suitable examples.Pearl formation in Pelecypoda	Lecture, Discussion	
12	Jan I	04	Sense organs in Mollusca, Torsion in molluscans	Lecture	
13	Jan II	04	General characters and classification up to classes with suitable examples.Water vascular system in star fish	Discussion	Assignment
14	Jan III	04	Larval forms of Echinodermata	Lecture	
15	Jan IV	04	General characters and classification up to classes with suitable examples *Balanoglossus* - Structure and affinities	Discussion	

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Zoology – Annual Curricular Plan

PaperII: ANIMAL DIVERSITY – BIOLOGY OF CHORDATES

Year: 2022-23 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	Feb II	04	General characters and classification of Chordata upto classes.Protochordata- Salient features of Cephalochordata , Affinities of Cephalochordata	Lecture, PPT	Assignment
2	Feb III	04	Salient features and classification of Urochordata, Structure and life history of *Herdmania*, Retrogressive metamorphosis –Process and Significance	Discussion, PPT	Seminar
3	Feb IV	04	Cyclostomata, General characters, Comparison of*Petromyzon*and *Myxine*.Pisces : General characters of Fishes	Lecture, PPT	-
4	Mar I	04	*Scoliodon*: External features, Digestive system, Respiratory system, Structure and function of Heart, Structure and functions of the Brain.	Lecture	-
5	Mar II	04	Migration in Fishes,Types of Scales, Dipnoi	Lecture,	Assignment
6	Mar III	04	General characters of Amphibia, Classification of Amphibiaup to orders with examples.*Ranahexadactyla*: External features, Digestive system, Respiratory system, Structure and function of Heart, structure and functions of the Brain	Discussion	Assignment
7	Mar IV	04	Reptilia: General characters of Reptilia, Classification of Reptiliaupto orders withexamples/*Calotes*:External features, Digestive system.	Discussion	
8	Apr I	04	Respiratory system, Structure and function of Heart,structure and function of Brain	Lecture	
9	Apr II	04	Reptilia: General characters of Reptilia, Classification of Reptiliaupto orders withexamples/*Calotes*:External features, Digestive system.	Lecture, PPT	
10	Apr III	04	Respiratory system, Structure and function of Heart,structure and function of Brain	Lecture	Assignment
11	Apr IV	04	Identification of Poisonous and Non-poisonous snakes and Skull in reptiles	Lecture, PPT	seminar
12	May I	04	Aves General characters of Aves. *Columba livia*: External features, Digestive system	Discussion, PPT	Assignment
13	Jun I	04	Respiratory system, Structure and function of Heart, structure and function of Brain		-
14	Jun II	04	Migration in Birds,Flight adaptation in birds, Types of feather	Lecture, PPT	-
15	Jun III	04	General characters of Mammalia, Classification of Mammalia upto sub - classes with examples, Comparision of Prototherians, Metatherians and Eutherians , Dentition in mammals.	Lecture	Assignment

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Zoology – Annual Curricular Plan

PaperIII: CELL BIOLOGY, GENETICS, MOLECULAR BIOLOGY AND EVOLUTION

Year: 2022-23 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	Definition, history, prokaryotic and eukaryotic cells, virus, viroids, Mycoplasma,Electron microscopic structure of animal cell.,Plasma membrane –Models and transport functions of plasma membrane	Lecture, PPT	Seminar
2	Oct III	04	Structure and functions of Golgi complex, Endoplasmic Reticulum and Lysosomes. Structure and functions of Ribosomes, Mitochondria, Nucleus, Chromosomes	Demonstration	Assignment
3	Oct IV	04	Mendel‟s work on transmission of traits,Gene Interaction – Incomplete Dominance, Codominance, Lethal Genes, Polygenes (General Characteristics & examples); Multiple Alleles (GeneralCharacteristics and Blood group inheritance.	Demonstration	Seminar
4	Nov I	04	Sex determination (Chromosomal, Genic Balance, Hormonal, Environmental and Haplo-diploidy types of sex determination)	Lecture, PPT	
5	Nov II	04	Sex linked inheritance (X-linked, Y-linked & XY-linked inheritance)	Lecture, PPT	Assignment
6	Nov III	04	Mutations & Mutagenesis. Chromosomal Disorders (Autosomal and Allosomal)	Lecture, PPT	Seminar
7	Nov IV	04	Human Genetics – Karyotyping, Pedigree Analysis (basics),Basics on Genomics and Proteomics	Lecture	
8	Dec I	04	Central Dogma of Molecular Biology,Basic concepts of – DNA replication – Overview (Semi-conservative mechanism, Semidiscontinuous mode, Origin & Propagation of replication fork)	Demonstration	Assignment
9	Dec II	04	Transcription in prokaryotes – Initiation, Elongation and Termination, Posttranscriptional modifications (basics),Translation	Lecture,PPT	
10	Dec III	04	Initiation, Elongation and Termination	Lecture	Assignment
11	Dec IV	04	Gene Expression in prokaryotes (Lac Operon); Gene Expression in eukaryotes	Lecture, PPT	Seminar
12	Jan I	04	Origin of life.Theories of Evolution: Lamarckism	Lecture	Seminar
13	Jan II	04	Darwinism, Germ PlasmTheroy, Mutation Theory	Demonstration	Assignment
14	Jan III	04	Neo-Darwinism: Modern Synthetic Theory of Evolution, Hardy-Weinberg Equilibrium	Lecture, Drill	
15	Jan IV	04	Forces of Evolution: Isolating mechanisms, Genetic Drift, Natural Selection, Speciation	Lecture, Drill	Seminar

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PaperIV: ANIMAL PHYSIOLOGY, CELLULAR METABOLISM AND EMBRYOLOGY

Year: 2022-23 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	Process of digestion and assimilation,Respiration - Pulmonary ventilation, transport of oxygen and CO2	Discussion	-
2	Feb III	04	Circulation - Structure and functioning of heart, Cardiac cycle Excretion - Structure and functions of kidney urine formation, counter current Mechanism	Lecture	Assignment
3	Feb IV	04	Nerve impulse transmission - Resting membrane potential, origin and propagation of action potentials along myelinated and non-myelinated nerve fibers	Lecture, PPT	Assignment
4	Mar I	04	Muscle contraction -Ultra structure of muscle, molecular andchemical basis of muscle contraction Endocrine glands - Structure, functions of hormones of pituitary, thyroid, parathyroid, adrenal glands and pancreas	Lecture	
5	Mar II	04	Hormonal control of reproduction in a mammal Carbohydrates -	Lecture, PPT	Assignment
6	Mar III	04	Classification of carbohydrates. Structure of glucose	Discussion	Seminar
7	Mar IV	04	Proteins - Classification of proteins. General properties of amino acids	Discussion	Seminar
8	Apr I	04	Lipids - Classification of lipids	Lecture	Assignment
9	Apr II	04	Enzymes: Classification and Mechanism of Action	Lecture	Assignment
10	Apr III	04	Carbohydrate Metabolism - Glycolysis, Krebs cycle, Electron Transport Chain, Glycogen metabolism, Gluconeogenesis	Lecture, PPT	Seminar
11	Apr IV	04	Lipid Metabolism – β-oxidation of palmitic acid	Lecture	
12	May I	04	Protein metabolism - Transamination, Deamination and Urea Cycle	Lecture, PPT	Assignment
13	Jun I	04	Gametogenesis, Fertilization	Lecture	
14	Jun II	04	Types of eggs ,Types of cleavages	Lecture, PPT	Assignment
15	Jun III	04	Development of Frog upto formation of primary germ layers	Discussion	

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PaperV: IMMUNOLOGY & ANIMAL BIOTECHNOLOGY

Year: 2022-23 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	Introduction to basic concepts in Immunology,Innate and adaptive immunity, Vaccines and Immunization programme	Lecture	-
2	Feb III	04	Cells of immune system,Organs of immune system	Lecture	Seminar
3	Feb IV	04	Antigens: Basic properties of antigens, B and T cell epitopes, haptens and adjuvants; Factors influencing immunogenicity	Demonstration	Assignment
4	Mar I	04	Antibodies: Structure of antibody, Classes and functions of antibodies Structure and functions of major histocompatibility complexes	Lecture, PPT	
5	Mar II	04	Exogenous and Endogenous pathways of antigen presentation and processing Hypersensitivity – Classification and Types	Lecture, PPT	Assignment
6	Mar III	04	Animal Cell, Tissue and Organ culture media: Natural and Synthetic media,	Lecture, PPT	Seminar
7	Mar IV	04	Cell cultures: Establishment of cell culture (primary culture, secondary culture, types of cell lines, Protocols for Primary Cell Culture);	Lecture, PPT	Assignment
8	Apr I	04	Established Cell lines (common examples such as MRC, HeLa, CHO, BHK, Vero); Organ culture; Cryopreservation of cultures	Lecture, PPT	
9	Apr II	04	Stem cells: Types of stem cells and applications Hybridoma Technology: Production & applications of Monoclonal antibodies (mAb)	Lecture, PPT	Assignment
10	Apr III	04	Genetic Engineering:Basic concept, Vectors, Restriction Endonucleases and Recombinant DNA technology	Discussion	
11	Apr IV	04	Gene delivery:Microinjection, electroporation, biolistic method (gene gun), liposome and viral- mediated gene delivery Transgenic Animals:Strategies of Gene transfer; Transgenic - sheep, - fish; applications	Discussion, Drill	Seminar
12	May I	04	Manipulation of reproduction in animals: Artificial Insemination, *In vitro* fertilization, super ovulation, Embryo transfer, Embryo cloning	Lecture	Assignment
13	Jun I	04	PCR:Basics of PCR. DNA Sequencing: Sanger's method of DNA sequencing-traditional and automated sequencing	Discussion	Seminar
14	Jun II	04	Hybridization techniques: Southern, Northern and Western blotting DNA fingerprinting: Procedure and applications	Lecture, PPT	Assignment

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PaperVI A: SUSTAINABLE AQUACULTURE MANAGEMENT

Year: 2022-23 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	Nov III	04	Present status of Aquaculture – Global and National scenario . Major cultivable species for aquaculture: freshwater, brackish water and marine.	Lecture	-
2	Nov IV	04	Traditional, extensive, modified extensive, semi-intensive and intensive cultures of fish and shrimp.Design and construction of fish and shrimp farms	Lecture	Seminar
3	Dec I	04	Functional classification of ponds – head pond, hatchery, nursery ponds	Demonstration	Assignment
4	Dec II	04	Functional classification of ponds -rearing, production, stocking and quarantine ponds	Lecture, PPT	
5	Dec III	04	Need of fertilizer and manure application in culture ponds	Lecture, PPT	Assignment
6	Dec IV	04	Physio-chemical conditions of soil and water optimum for culture (Temperature, depth, turbidity	Lecture, PPT	Seminar
7	Jan I	04	light, water, PH, BOD, CO2 and nutrients	Lecture, PPT	Assignment
8	Jan III	04	Induced breeding in fishes	Lecture, PPT	
9	Jan IV	04	Culture of Indian major carps: Pre-stocking management (Dewatering, drying, ploughing/desilting	Lecture, PPT	Assignment
10	Feb I	04	Predators, weeds and algal blooms and their control, Liming and fertilization)	Discussion	
11	Feb II	04	Culture of Indian major carps - Stocking management ,Culture of Indian major carps - post-stocking management	Discussion, Drill	Seminar
12	Feb III	04	Commercial importance of shrimp & prawn.*Macrobrachium rosenbergii*-biology, seed production	Lecture	Assignment
13	Feb IV	04	Culture of *L. vannamei* – hatchery technology and culture practices.Mixed culture of fish and prawns	Discussion	Seminar
14	Mar I	04	Viral diseases of Fin Fish & shell fish.Fungal diseases of Fin & Shell fish	Lecture, PPT	Assignment
15	Mar II	04	Bacterial diseases of Finfish & Shell fish. Prophylaxis in aquaculture	Discussion	

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PaperVIIA: POSTHARVEST TECHNOLOGY OF FISH AND FISHERIES

Year: 2022-23 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	Nov III	04	Handling of fresh fish, storage and transport of fresh fish, post mortem changes (rigor mortis and spoilage),	Lecture	-
2	Nov IV	04	Spoilage in marine fish and freshwater fish	Lecture	Assignment
3	Dec I	04	Rising of temperature, denudation, use of salt	Demonstration	
4	Dec II	04	Principles of preservation – cleaning, lowering of temperature, rising of temperature, denudation, use of salt	Lecture, PPT	Seminar
5	Dec III	04	Use of fish preservatives, exposure to low radiation of gamma rays	Lecture, PPT	Assignment
6	Dec IV	04	Traditional methods - sun drying, salt curing, pickling and smoking	Lecture, PPT	
7	Jan I	04	Advanced methods – chilling or icing, refrigerated sea water, freezing, canning, irradiation and Accelerated Freeze drying (AFD).	Lecture, PPT	Seminar
8	Jan III	04	Fish products – fish minced meat, fish meal, fish oil, fish liquid (ensilage), fish protein concentrate, fish chowder	Lecture, PPT	
9	Jan IV	04	fish cake, fish sauce, fish salads, fish powder, pet food from trash fish, fish manure.	Lecture, PPT	Assignment
10	Feb I	04	Fish by-products – fish glue, Using glass, chitosan, pearl essence, shark fins, fish Leather and fish maws.	Discussion	
11	Feb II	04	Sanitation in processing plants - Environmental hygiene and Personal hygiene in processing plants.	Discussion,	Seminar
12	Feb III	04	Quality Control of fish and fishery products – pre-processing control, control during processing and control after processing	Lecture	
13	Feb IV	04	Seafood Quality Assurance and Systems: Good Manufacturing Practices (GMPs); Good Laboratory Practices (GLPs)	Discussion	
14	Mar I	04	Standard Operating Procedures (SOPs); Concept of Hazard Analysis and Critical Control Points (HACCP) in seafood safety.	Lecture, PPT	Assignment
15	Mar II	04	National and International standards – ISO 9000: 2000 Series of Quality Assurance System, *Codex Aliment Arius*.	Discussion	

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

YEAR : 2022-2023 GROUP: I B.Com CA, Gen (EM)
SEMESTER: I PAPER: COM 22101
NAME OF THE MODULE: Fundamentals of Accounting
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	OCT	4	3	**Unit-I – Introduction:** Need for Accounting – Definition Objectives, – Accounting Concepts and Conventions -	Teaching		
		5	5	GAAP - Accounting Cycle - Classification of Accounts and its Rules –	Teaching		
2	NOV	1	5	Bookkeeping and Accounting - Double Entry Book-Keeping -	Teaching		
		2	5	Journalizing - Posting to Ledgers, Balancing of Ledger Accounts (including Problems).	Teaching		
		3	5	**Unit-II: Subsidiary Books:** Subsidiary Books - Meaning - Types -	Teaching	Slip test	
		4	5	Purchase Book - Sales Book - Purchase Returns Book - Sales Returns Book -	Teaching		
		5	3	Bills Receivables Book - Bills Payables Book - Cash Book - Journal Proper (including Problems).	Teaching		
3	DEC	1	3	**Unit-III: Cash Books:** Meaning - Types - Single Column Cash Book -	Teaching		
		2	5	Double Column Cash Book -	Teaching		
		3	5	Triple Column Cash Book - Contra Entry - Petty Cash Book (including Problems)	Teaching		
		4	5	**Unit-IV: Trial Balance and Rectification of Errors:** Preparation of Trial balance -	Teaching	Quiz	
		5	5	Errors – Meaning – Types of Errors – Rectification of Errors –	Teaching		
4	JAN	1	5	Suspense Account (including Problems)	Teaching		
		2	5	**Unit -V: Final Accounts:** Preparation of Final Accounts:	Teaching		
		3	5	Trading account –	Teaching		
		4	5	Profit and Loss account –	Teaching	Seminar	
5	FEB	1	5	Balance Sheet –	Teaching		
		2	5	Balance Sheet – Final Accounts with Adjustments (including Problems).	Teaching		

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YEAR : 2022-2023 GROUP: I B.Com CA, Gen (EM)

SEMESTER: I PAPER: COM 22102

NAME OF THE MODULE: Business Organization & Management

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	OCT	4	3	**Unit-I –Introduction :** Concepts of Business, Trade, Industry and Commerce: Business –	Teaching		
		5	5	Meaning, Definition, Features and Functions of Business -.	Teaching		
2	NOV	1	5	Trade Classification – Aids to Trade – Industry Classification and Commerce -	Teaching		
		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,	Teaching	Slip test	
		4	5	Partnership Business and Hindu Undivided Family- Features,	Teaching		
		5	3	Merits and Demerits of Joint Stock Companies - Differences between Private Limited and Public Limited Company	Teaching		
3	DEC	1	3	**Unit-III -Company Incorporation:** Preparation of Important Documents for Incorporation of Company -	Teaching		
		2	5	Certificate of Incorporation and Certificate of Commencement of Business -	Teaching		
		3	5	Contents of Memorandum of Association -	Teaching		
		4	5	Contents of Articles of Association - Contents of Prospectus - Statement in lieu of Prospectus.	Teaching	Quiz	
		5	5	**Unit-IV- Management:** Meaning - Characteristics - Scientific Management - Features -	Teaching		
4	JAN	1	5	Fayol's 14 Principles of Management - Administration Vs Management -	Teaching		
		2	5	Levels of Management - Functions of Management	Teaching		
		3	5	**Unit-V-Functions of Management:** Planning - Meaning – Definition – Characteristics Merits and Demerits of Planning -	Teaching		
		4	5	Organizing - Principles of Organisation –	Teaching	Seminar	
5	FEB	1	5	Process of Organisation - Decision Making - Steps in Process of Decision Making	Teaching		
		2	5	Revision	Teaching		

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YEAR : 2022-2023 GROUP: I B.Com Gen (EM)
SEMESTER: I PAPER: COM 22103
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
1	OCT	4	3	**Unit–I:Overview of Business Environment**: Business Environment – Meaning – Characteristics –	Teaching		
		5	5	Scope -Macro and Micro Dimensions of Business Environment -	Teaching		
2	NOV	1	5	Components of Business Environment - Environmental Analysis.	Teaching		
		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	Slip test	
		4	5	NITI Ayog – National Development Council – Five Year Plans	Teaching		
		5	3	**Unit–III: Economic Policies:** Economic Reforms and New Economic Policy –	Teaching		
3	DEC	1	3	New Industrial Policy – Competition Law –	Teaching		
		2	5	Fiscal Policy – Objectives and Limitations –	Teaching		
		3	5	Monetary Policy - Stock Exchange - Members - Functions	Teaching		
		4	5	**Unit – IV : Social, Political and Legal Environment:** Concept of Social Responsibility of Business towards Stakeholders -	Teaching	Quiz	
		5	5	Demonetization, GST and their Impact - Political Stability -	Teaching		
4	JAN	1	5	Legal Changes - Patents and Trade Marks	Teaching		
		2	5	**Unit–V:Global Environment :**Globalization – Meaning – Multinational Corporations -	Teaching		
		3	5	Role of WTO – WTO Functions -	Teaching		
		4	5	IBRD – Trade Blocks, BRICS,	Teaching	Seminar	
5	FEB	1	5	SAARC, ASEAN in Globalization	Teaching		
		2	5	Revision	Teaching		

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YEAR : 2022-2023 GROUP: I B.Com CA, Gen (EM)
SEMESTER: I PAPER: COM SDC22102
NAME OF THE MODULE: Insurance Promotion
NO.HOURS/WEEK: 02 TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	OCT	4	2	**Unit I: Introduction of Insurance** - Types of insurances.	Teaching		
		5	2	Growth of Insurance sector in India -	Teaching		
2	NOV	1	2	Regulatory mechanism (IRDA) - Its functions	Teaching		
		2	2	Regulatory mechanism (IRDA) - Its functions	Teaching		
		3	2	**Unit II: Life Insurance plans**: Health insurance plans. Products and features.	Teaching	Slip test	
		4	2	Contents of documents– Sales Promotion methods -	Teaching		
		5	2	Finding prospective customers –	Teaching		
3	DEC	1	2	Counseling – Helping customers in filing -	Teaching		
		2	2	Extending post-insurance service to customers.	Teaching		
		3	2	Extending post-insurance service to customers.	Teaching		
		4	2	**Unit III : General Insurance -** It's products (Motor, Marine, Machinery, Fire, Travel and Transportation) and features.	Teaching	Quiz	
		5	2	Contents of documents.	Teaching		
4	JAN	1	2	Dealing with customers –	Teaching		
		2	2	Explaining Products to Customers -	Teaching		
		3	2	Promoting Customer loyalty.	Teaching		
		4	2	Maintenance of Records.	Teaching	Seminar	
5	FEB	1	2	Revision	Teaching		
		2	2	Revision	Teaching		

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YEAR : 2022-2023 GROUP: II B.Com CA, Gen, BIFS (EM)
SEMESTER: III PAPER:**COM21301**
NAME OF THE MODULE: **Advanced Accounting**
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	OCT	4	3	**Unit-I**:**Accounting for Non Profit Organisations**: Non Profit Entities- Meaning - Features of Non-Profit Entities –	Teaching		
		5	5	Provisions as per Sec 8 - Accounting Process- Preparation of Accounting Records -	Teaching		
2	NOV	1	5	Receipts and Payments Account- Income and Expenditure Account - Preparation of Balance Sheet (including problems).	Teaching		
		2	5	**Unit-II: Single Entry System:** Features – Differences between Single Entry and Double Entry –	Teaching		
		3	5	Disadvantages of Single Entry-	Teaching	Slip test	
		4	5	Ascertainment of Profit and Preparation of Statement of Affairs	Teaching		
		5	3	Ascertainment of Profit and Preparation of Statement of Affairs (including Problems).	Teaching		
3	DEC	1	3	**Unit-III: Hire Purchase System:** Features –Difference between Hire Purchase and Instalment Purchase Systems -	Teaching		
		2	5	Accounting Treatment in the Books of Hire Purchaser and Hire Vendor -	Teaching		
		3	5	Default and Repossession (including Problems).	Teaching		
		4	5	**Unit-IV: Partnership Accounts-I:** Meaning – Partnership Deed -	Teaching	Quiz	
		5	5	Fixed and Fluctuating Capitals-	Teaching		
4	JAN	1	5	Accounting Treatment of Goodwill -	Teaching		
		2	5	Admission and Retirement of a Partner(including problems).	Teaching		
		3	5	**Unit-V: Partnership Accounts-II:** Dissolution of a Partnership Firm –	Teaching		
		4	5	Application of Garner v/s Murray Rule in India –).	Teaching	Seminar	
5	FEB	1	5	Insolvency of one or more Partners (including problems	Teaching		
		2	5	Revision	Teaching		

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YEAR : 2022-2023 GROUP: II B.Com CA, Gen, BIFS (EM)
SEMESTER: III PAPER:**COM21302**
NAME OF THE MODULE: **Business Statistics**
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	OCT	4	3	**Unit 1: Introduction to Statistics:** Definition – Importance, Characteristics and Limitations of Statistics -	Teaching		
		5	5	Classification and Tabulation –)	Teaching		
2	NOV	1	5	Frequency Distribution Table -	Teaching		
		2	5	Diagrams and Graphic Presentation of Data (including problems)	Teaching		
		3	5	**Unit 2: Measures of Central Tendency:** Types of Averages – Qualities of Good Average -)	Teaching	Slip test	
		4	5	Mean, Median,	Teaching		
		5	3	Mode, and Median based Averages-	Teaching		
3	DEC	1	3	Geometric Mean –	Teaching		
		2	5	Harmonic Mean(including problems)	Teaching		
		3	5	**Unit 3: Measures of Dispersion:** Meaning and Properties of Dispersion – Absolute and Relative Measures -	Teaching		
		4	5	Types of Dispersion-Range - Quartile Deviation (Semi – Inter Quartile Range) -	Teaching	Quiz	
		5	5	Mean Deviation -	Teaching		
4	JAN	1	5	Standard Deviation - Coefficient of Variation. (including problems)	Teaching		
		2	5	**Unit 4: Skewness and Kurtosis:** Measures of Skewness: Absolute and Relative Measures-Co-efficient of Skewness:	Teaching		
		3	5	Karl Pearson's, Bowley's and Kelly's - Kurtosis: Meso kurtosis, Platy kurtosis and Leptokurtosis (including problems)	Teaching		
		4	5	**Unit 5: Measures of Relation:** Meaning and use of Correlation – Types of Correlation -)	Teaching	Seminar	
5	FEB	1	5	Karlpearson's Correlation Coefficient - Probable Error-Spearman's	Teaching		
		2	5	Rank-Correlation (including problems)	Teaching		

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YEAR : 2022-2023 GROUP: II B.Com Gen,
SEMESTER: III PAPER: **COM21303-A**
NAME OF THE MODULE: **Marketing**
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	OCT	4	3	**Unit-I**: **Introduction:** Concepts of Marketing: Need, Wants and Demand -.	Teaching		
		5	5	Marketing Concepts –	Teaching		
2	NOV	1	5	Marketing Mix -	Teaching		
		2	5	4 P's of Marketing – Marketing Environment	Teaching		
		3	5	**Unit-II**: **Consumer Behaviour and Market Segmentation:** Buying Decision Process – Stages –	Teaching	Slip test	
		4	5	Buying Behavior –	Teaching		
		5	3	Market Segmentation –	Teaching		
3	DEC	1	3	Market Segmentation –Bases of Segmentation -	Teaching		
		2	5	Selecting Segments – Advantages of Segmentation.	Teaching		
		3	5	**Unit-III: Product Management**: Product Classification – Levels of Product -	Teaching		
		4	5	Product Life Cycle - New Products,	Teaching	Quiz	
		5	5	Product Mix and Product Line Decisions -	Teaching		
4	JAN	1	5	Design, Branding, Packaging and Labeling.	Teaching		
		2	5	**Unit-IV: Pricing Decision:** Factors Influencing Price –	Teaching		
		3	5	Determination of Price - Pricing Strategies: Skimming and Penetration Pricing.	Teaching		
		4	5	**Unit-V: Promotion and Distribution:** Promotion Mix - Advertising -	Teaching	Seminar	
5	FEB	1	5	Sales promotion - Publicity – Public Relations - Personal Selling and Direct Marketing -	Teaching		
		2	5	Distribution Channels – Online Marketing	Teaching		

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YEAR : 2022-2023 GROUP: II B.Com BIFS (EM)

SEMESTER: III PAPER: **COM21303-B**

NAME OF THE MODULE:**: INSURANCE AND RISK MANAGEMENT**

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	OCT	4	3	**UNIT-I: Introduction and Scope of Insurance:** Historical perspective, Conceptual Framework, Meaning, Nature, Advantages and Scope of insurance,	Teaching		
		5	5	Classification of Insurance Business viz.,	Teaching		
2	NOV	1	5	Life Insurance and General Insurance.	Teaching		
		2	5	Fundamental principles of insurance- Indian Insurance Sector.	Teaching		
		3	5	**UNIT-II: Insurance Policies**: Kinds of Life Insurance Policies-ULIPs- Types of General Insurance –	Teaching	Slip test	
		4	5	Policies of General Insurance- General Insurance Act-Motor,	Teaching		
		5	3	Fire Marine and Agricultural Insurance and other insurances -	Teaching		
3	DEC	1	3	Operation of Insurance Companies in India	Teaching		
		2	5	**UNIT-III: Risk and Insurance** Concept of Risk- Types of Risks- Risk Management objectives and Importance-.	Teaching		
		3	5	Tools of Risk Management- Role of Actuaries- Product framing, Underwriting guidelines, Re-insurance, Preparation of Insurance Documents, Policy Conditions	Teaching		
		4	5	**UNIT-IV: Financial Aspects of Insurance Management** Role of Financial Institutions, Insurance Companies, Financial Market,	Teaching	Quiz	
		5	5	Structure and functions, Important Life Insurance Products and General Insurance Products,	Teaching		
4	JAN	1	5	Determination of Premiums and Bonuses, Distribution Channels of Insurance - Reforms in Indian Insurance Industry	Teaching		
		2	5	**UNIT-V: Insurance Laws and Regulations** Insurance Act 1938, Life Insurance Corporation Act 1956,	Teaching		
		3	5	IRDA Act 1999 and IRDA (Insurance Regulatory Development Authority) Regulations.	Teaching		
		4	5	Ombudsman Scheme, Code of Conduct in Advertising,	Teaching	Seminar	
5	FEB	1	5	Financial Planning and Taxation,	Teaching		
		2	5	Tax Benefits under Life Insurance Policies	Teaching		

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YEAR : 2022-2023 GROUP: II B.Com CA, Gen (EM)
SEMESTER: III PAPER: **COM SDC21102**
NAME OF THE MODULE: **Retailing**
NO.HOURS/WEEK: 02 TOTAL HOURS/CREDITS: 90/4 CREDITS

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

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YEAR : 2022-2023 GROUP: I B.Com CA, Gen (EM)
SEMESTER: II PAPER: **COM 22201**
NAME OF THE MODULE: Financial Accounting
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	FEB	4	5	**Unit I: Depreciation** Meaning and Causes of Depreciation	Teaching		
2	MAR	1	5	Methods of Depreciation	Teaching		
		2	5	Straight Line , Written down Value	Teaching		
		3	5	Annuity and Depletion Method	Teaching	Slip test	
		4	5	**Unit II: Bills of Exchange** Meaning of Bill , Features of Bill	Teaching		
		5	5	Parties in the Bill , Discounting of Bill	Teaching		
3	APR	1	5	Renewal of Bill	Teaching		
		2	5	Entries in the Books of Drawer and Drawee	Teaching		
		3	5	**Unit III: Consignment Accounts** Consignment–Features-Proforma Invoice	Teaching		
		4	5	Account-Sales-Del-credere Commission	Teaching	Quiz	
		5	5	Accounting Treatment in the Books of Consigner and Consignee	Teaching		
4	MAY	1	5	Valuation of Closing Stock - Normal and Abnormal Losses	Teaching		
		2	5	**Unit IV : Joint Venture Accounts:** JointVenture – Features-- Difference between Joint- Venture and Consignment	Teaching		
		3	5	Accounting Procedure – Methods of Keeping Records	Teaching		
		4	5	One Vendor Keeps the Accounts and Separate Set off Books Methods (including Problems).	Teaching	Seminar	
5	JUNE	1	5	**Unit V : Branch Accounts:** Meaning - Types of Branches - Branch Accounting	Teaching		
		2	5	Debtors System - Stock and Debtors System	Teaching		
		3	5	Invoice Price Method			

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YEAR : 2022-2023 GROUP: I1B.Com CA, Gen (EM)
SEMESTER: II PAPER: **COM 22202**
NAME OF THE MODULE: Business Economics
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	FEB	4	5	**Unit I: Introduction:**	Teaching		
2	MAR	1	5	Meaning and Definitions of Business Economics	Teaching		
		2	5	- Nature and Scope of Business Economics	Teaching		
		3	5	Economic and Non Economic Activities	Teaching	Slip test	
		4	5	Micro and Macro Economics - Cardinal Utility and Ordinal Utility	Teaching		
		5	5	**Unit-II: Demand Analysis :** **M**eaning and Definition of Demand -Determinants to Demand	Teaching		
3	APR	1	5	Demand Function Law of Demand -– Demand Curve	Teaching		
		2	5	– Exceptions to Law of Demand	Teaching		
		3	5	**Unit III: Elasticity of Demand** Meaning and definition of Elasticity of Demand	Teaching		
		4	5	Types of Elasticity of Demand - Types of Price Elasticity of Demand	Teaching	Quiz	
		5	5	Measurements of Price Elasticity of Demand	Teaching		
4	MAY	1	5	Total Outlay Method - Point Method - Arc Method	Teaching		
		2	5	**Unit IV : Production**, **Cost and Revenue Analysis**: Concept of Production Function – Law of Variable Proportion	Teaching		
		3	5	Law of Returns to Scale - Classification of Costs - Money Cost - Opportunity Cost	Teaching		
		4	5	-Social Cost – Accounting Costs and Economic Costs - Direct Cost and Indirect Cost - Fixed Cost and Variable Cost.	Teaching	Seminar	
5	JUNE	1	5	**Unit V : Market Structure:** Concept of Market Classification of Markets -Perfect	Teaching		
		2	5	Competition – Characteristics – Equilibrium Price Monopoly – Characteristics –	Teaching		
		3	5	Equilibrium Under Monopoly.	Teaching		

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YEAR : 2022-2023 GROUP: I1 B.Com Gen (EM)
SEMESTER: II PAPER: **COM 22203**
NAME OF THE MODULE: Banking theory and Practice
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	FEB	4	5	**Unit I: Introduction:** Meaning & Definition of Bank	Teaching		
2	MAR	1	5	Features and Functions of Commercial Banks	Teaching		
		2	5	Credit Creation with Examples - Kinds of Banks	Teaching		
		3	5	Role of Banks in economic development - Functions of Central Bank	Teaching	Slip test	
		4	5	Differences between Central Bank and Commercial Bank	Teaching		
		5	5	**Unit-II** : **Banking Systems:** Unit Banking - Merits and Demerits - Branch Banking	Teaching		
3	APR	1	5	Merits and Demerits - Mixed Banking - Merits and Demerits	Teaching		
		2	5	Investment Banking - Innovations in Banking – E banking -	Teaching		
		3	5	Online and Offshore Banking, Internet Banking	Teaching		
		4	5	Anywhere Banking - ATMs – RTGS- NEFT – Mobile Banking	Teaching	Quiz	
		5	5	**Unit III: Types of Banks:** Indigenous Banker - Features and defects - Cooperative Banks	Teaching		
4	MAY	1	5	Features, Structure and Problems - Regional Rural Banks - Functions and Problems	Teaching		
		2	5	SIDBI - Functions - NABARD - Functions and its Role - EXIM bank - Objectives and Functions	Teaching		
		3	5	**Unit IV : Banker and Customer:**Meaning and Definition of Banker and Customer– Types of Customers	Teaching		
		4	5	General Relationship between Banker - Special Relationship between Banker and Customer	Teaching	Seminar	
5	JUNE	1	5	Closing of account of his customer - Precautions to be taken while opening account of Minor - Know Your Customer (KYC) Norms.	Teaching		
		2	5	**Unit-V: Collecting Banker and Paying Banker:** Collecting Banker - Duties and Responsibilities – Holder for Value – Holder in Due Course – Statutory Protection to Collecting Banker	Teaching		
		3	5	Paying Banker - Responsibilities - Statutory Protection to Paying Banker - Payment Gateways - Requirements and advantages.			

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YEAR : 2022-2023 GROUP: I B.Com CA, Gen (EM)

SEMESTER: II PAPER: **COMSDC22206**

NAME OF THE MODULE: Logistics and supply chain management

NO.HOURS/WEEK: 02 TOTAL HOURS/CREDITS: 90/4 CREDITS

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	FEB	4	2	**Unit-1: Introduction to Logistics and Supply Chain Management (SCM):** Functions of Logistics - Structure of logistics	Teaching		
2	MAR	1	2	Logistics Costs - Modes of Logistics	Teaching		
		2	2	Logistics in 21st Century -- Role of Supply Chain Management -	Teaching		
		3	2	Design and Development of Supply Chain Network -	Teaching	Slip test	
		4	2	***Unit-II: Logistics:*** Customer Selection - Process -	Teaching		
		5	2	Customer Service and Customer Retention –	Teaching		
3	APR	1	2	Relationship Management -	Teaching		
		2	2	Integrating Logistics and Customer Relationship Management	Teaching		
		3	2	***Unit-III: Supply Chain Management:*** Managing and Estimating Supply Chain Demand –	Teaching		
		4	2	Forecasting Techniques –	Teaching	Quiz	
		5	2	Supplier Networks –	Teaching		
4	MAY	1	2	Skills to Manage SCM -	Teaching		
		2	2	Skills to Manage SCM -	Teaching		
			2	Recent Trends in SCM			
		4	2	Revision	Teaching	Seminar	
5	JUNE	1	2	Revision	Teaching		
		2	2	Revision	Teaching		
		3	2	Revision			

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YEAR : 2022-2023 GROUP: II B.Com CA, BIFS, Gen (EM)
SEMESTER: IV PAPER: **COM 21401**
NAME OF THE MODULE: Corporate Accounting
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	FEB	4	5	**Unit I: Accounting for Share Capital:** Kinds of Shares –	Teaching		
2	MAR	1	5	Types of Preference Shares –	Teaching		
		2	5	Issue of Shares at Par, Discount and Premium - Forfeiture and Reissue of Shares (including problems).	Teaching		
		3	5	Forfeiture and Reissue of Shares (including problems).	Teaching	Slip test	
		4	5	Forfeiture and Reissue of Shares (including problems).	Teaching		
		5	5	**Unit-II:** **Issue and Redemption of Debentures and Issue of Bonus Shares:** Accounting Treatment for Debentures	Teaching		
3	APR	1	5	Issued and Repayable at Par, Discount and Premium -	Teaching		
		2	5	Issue of Bonus Shares - Buyback of Shares - (including problems).	Teaching		
		3	5	**Unit III: Valuation of Goodwill:** Need and Methods -	Teaching		
		4	5	Average Profit Method, Super Profits Method –	Teaching	Quiz	
		5	5	Capitalization Method and Annuity Method (Including problems).	Teaching		
4	MAY	1	5	**Unit IV :** **Valuation Shares:** Need for Valuation	Teaching		
		2	5	Methods of Valuation -	Teaching		
				Net Assets Method, Yield Basis Method, Fair Value Method (including problems).			
		4	5	**Unit V :** **Company Final Accounts**: Provisions of the Companies Act, 2013 - Preparation of Final Accounts –	Teaching	Seminar	
5	JUNE	1	5	Preparation of Final Accounts – Adjustments Relating to Preparation of Final Accounts –	Teaching		
		2	5	Profit and Loss Account and Balance Sheet – (including problems with simple adjustments).	Teaching		
		3	5	Profit and Loss Account and Balance Sheet			

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YEAR : 2022-2023 GROUP: II B.Com CA, BIFS, Gen (EM)

SEMESTER: IV PAPER: **COM 21402**

NAME OF THE MODULE: Cost and Management Accounting

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	FEB	4	5	**UNIT-I: Introduction:** Cost Accounting: Definition – Features –	Teaching		
2	MAR	1	5	Objectives – Functions – Scope –	Teaching		
		2	5	Advantages and Limitations -	Teaching		
		3	5	Management Accounting: Features – Objectives – Functions –	Teaching	Slip test	
		4	5	Elements of Cost - Preparation of Cost Sheet (including problems)	Teaching		
		5	5	**UNIT-II: Material and Labour Cost:** Techniques of Inventory Control –	Teaching		
3	APR	1	5	Valuation of Material Issues: FIFO - LIFO - Simple and Weighted Average Methods	Teaching		
		2	5	Labour: Direct and Indirect Labour Cost – Methods of Payment of Wages- Incentive Schemes -	Teaching		
		3	5	Time Rate Method, Piece Rate Method, Halsey, Rowan Methods and Taylor Methods only(including problems)	Teaching		
		4	5	**UNIT-III: Job Costing and Batch Costing:** Definition and Features of Job Costing – Economic Batch Quantity (EBQ) –	Teaching	Quiz	
		5	5	Preparation of Job Cost Sheet – Problems on Job Cost Sheet and Batch Costing(including problems)	Teaching		
4	MAY	1	5	**UNIT-IV: Financial Statement Analysis and Interpretation**: Financial Statements - Features, Limitations. Need, Meaning,	Teaching		
		2	5	Objectives, and Process of Financial Statement Analysis-	Teaching		
				Comparative Analysis – Common Size Analysis and Trend Analysis (including problems)			
		4	5	**UNIT-V: Marginal Costing:** Meaning and Features of Marginal Costing –	Teaching	Seminar	
5	JUNE	1	5	Contribution –Profit Volume Ratio- Break Even Point –	Teaching		
		2	5	Margin of Safety –	Teaching		
		3	5	Estimation of Profit and Estimation of Sales(including problems)			

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YEAR : 2022-2023 GROUP: II B.Com CA, BIFS, Gen (EM)
SEMESTER: IV PAPER: **COM 21403**
NAME OF THE MODULE: Income Tax
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	FEB	4	5	**Unit I: Introduction:** Income Tax Act-1961 - Basic Concepts: Income, Person, Assessee -	Teaching		
2	MAR	1	5	Assessment Year, Previous Year, Rates of Tax, Agricultural Income, Residential Status of Individual -	Teaching		
		2	5	Incidence of Tax – Incomes Exempt from Tax (theory only).	Teaching		
		3	5	**Unit-II: Income from Salaries:** Basis of Charge, Tax Treatment of Different	Teaching	Slip test	
		4	5	Types of Salaries Allowances, Perquisites, Profits in Lieu of Salary,	Teaching		
		5	5	Deductions from Salary Income, Computation of Salary Income (including problems).	Teaching		
3	APR	1	5	**Unit-Ill: Income from House Property and Profits and Gains from Business:** Annual Value, Let-out/Self Occupied/Deemed to be Let-out house -	Teaching		
		2	5	Deductions from Annual Value - Computation of Income from House Property	Teaching		
		3	5	Definition of Business and Profession – Procedure for Computation of Income from Business –	Teaching		
		4	5	Revenue and Capital Nature of Incomes and Expenses – Allowable Expenses – Expenses Expressly Disallowed – Computation (including problems).	Teaching	Quiz	
		5	5	**Unit-IV: Income from Capital Gains - Income from Other Sources:** Meaning of Capital Asset – Types –	Teaching		
4	MAY	1	5	Procedure for Computation of Long-term and Short-term Capital Gains/Losses	Teaching		
		2	5	Meaning of Other Sources - General Incomes –	Teaching		
				Specific Incomes – Computation (including problems).			
		4	5	**Unit-V: Computation of Total Income of an Individual:** Deductions under Section 80 -	Teaching	Seminar	
5	JUNE	1	5	Computation of Total Income	Teaching		
		2	5	Computation of Total Income	Teaching		
		3	5	Computation of Total Income			

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YEAR : 2022-2023 GROUP: II B.Com CA, BIFS, Gen (EM)
SEMESTER: IV PAPER: **COM 21404**
NAME OF THE MODULE: Business Laws
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	FEB	4	5	**Unit I: Contract:** Meaning and Definition of Contract -	Teaching		
2	MAR	1	5	Essential Elements of Valid Contract -	Teaching		
		2	5	Valid, Void and Voidable Contracts -	Teaching		
		3	5	Indian Contract Act, 1872	Teaching	Slip test	
		4	5	**Unit II: Offer, Acceptance and Consideration:** Definition of Valid Offer, Acceptance and Consideration -	Teaching		
		5	5	Essential Elements of a Valid Offer,	Teaching		
3	APR	1	5	Acceptance	Teaching		
		2	5	Consideration.	Teaching		
		3	5	**Unit III: Capacity of the Parties and Contingent Contract:** Rules Regarding to Minors Contracts -	Teaching		
		4	5	- different Modes of Discharge of Contracts	Teaching	Quiz	
		5	5	Rules Relating to Remedies to Breach of Contract.	Teaching		
4	MAY	1	5	Breach of Contract.	Teaching		
		2	5	**Unit IV : Sale of Goods Act 1930 and Consumer Protection Act 2019:** Contract of Sale - Sale and Agreement to Sell -	Teaching		
				Implied Conditions and Warranties - Rights of Unpaid Vendor- Definition of Consumer			
		4	5	Person - Goods - Service - Consumer Dispute - Consumer	Teaching	Seminar	
5	JUNE	1	5	**Unit V : Cyber Law:** Overview and Need for Cyber Law -.	Teaching		
		2	5	Contract Procedures - Digital Signature –	Teaching		
		3	5	Safety Mechanisms			

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YEAR : 2022-2023 GROUP: II B.Com General (EM)
SEMESTER: IV PAPER: **COM 21405**
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	FEB	4	5	**Unit I: Introduction:** Meaning – Objectives –	Teaching		
2	MAR	1	5	Importance of Auditing – Characteristics	Teaching		
		2	5	Book Keeping vs Auditing - Accounting vs Auditing –	Teaching		
		3	5	Role of Auditor in Checking Corporate Frauds.	Teaching	Slip test	
		4	5	**Unit II: Types of Audit:** Based on Ownership ,	Teaching		
		5	5	Time and Objective - Independent, Financial, Internal,	Teaching		
3	APR	1	5	Cost, Tax, Government,	Teaching		
		2	5	Secretarial Audits	Teaching		
		3	5	**Unit III: Planning of Audit:** Steps to be taken at the Commencement of a New Audit –	Teaching		
		4	5	Audit Programme - Audit Note Book– Audit Working Papers -	Teaching	Quiz	
		5	5	Audit Evidence - Internal Check,	Teaching		
4	MAY	1	5	Internal Audit and Internal Control.	Teaching		
		2	5	**Unit IV : Vouching and Investigation:** Definition and Importance of Vouching –	Teaching		
				Objectives of Vouching -Vouching of Cash and Trading Transactions –			
		4	5	Investigation - Auditing vs. Investigation	Teaching	Seminar	
5	JUNE	1	5	**Unit V : Company Audit and Auditors Report:** Auditor's Qualifications – Appointment and Reappointment –	Teaching		
		2	5	Rights, Duties, Liabilities and Disqualifications - Audit Report: Contents –	Teaching		
		3	5	Preparation - Relevant Provisions of Companies Act, 2013.			

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YEAR : 2022-2023 GROUP: II B.Com General (EM)
SEMESTER: IV PAPER: **COM 21406**
NAME OF THE MODULE: Goods and Services Tax
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	FEB	4	5	**Unit I:** Introduction: Overview of GST - Concepts –Taxes Subsumed under GST –	Teaching		
2	MAR	1	5	Components of GST-	Teaching		
		2	5	GST Council- Advantages of GST-	Teaching		
		3	5	GST Registration.	Teaching	Slip test	
		4	5	**Unit II:** GST Principles –Vijay Kelkar Sha Committee Recommendations -	Teaching		
		5	5	Comprehensive Structure of GST Model in India: Single,	Teaching		
3	APR	1	5	Dual GST – GST Rates - Taxes Exempted from GST-	Teaching		
		2	5	Taxes and Duties outside the purview of GST- Taxation of Services	Teaching		
		3	5	**Unit III:** Tax Invoice- Bill of Supply-Transactions Covered under GST-	Teaching		
		4	5	Composition Scheme- Reverse Charge Mechanism-	Teaching	Quiz	
		5	5	Composite Supply -	Teaching		
4	MAY	1	5	Mixed Supply.	Teaching		
		2	5	**Unit IV :** Time of Supply of Goods & Services: Value of Supply - Input Tax Credit - Distribution of Credit -	Teaching		
				Matching of Input Tax Credit - Availability of Credit in Special Circumstances-			
		4	5	Cross utilization of ITC between the Central GST and the State GST.	Teaching	Seminar	
5	JUNE	1	5	**Unit V : GST Returns**: Regular Monthly Filing Returns-	Teaching		
		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 - Records to be Maintained under GST			

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YEAR : 2022-2023 GROUP: II B.Com BIFS, (EM)
SEMESTER: IV PAPER: **COM 21405- B**
NAME OF THE MODULE: Financial Services
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	FEB	4	5	**Unit I: Financial Services :** Role of Financial Services – Banking and Non Banking Companies –	Teaching		
2	MAR	1	5	Activities of Non Banking Finance Companies –	Teaching		
		2	5	Fund Based Activities –	Teaching		
		3	5	Fee Based Activities.	Teaching	Slip test	
		4	5	**Unit II: Merchant Banking Services:** Scope and importance of merchant banking services –	Teaching		
		5	5	Venture Capital –	Teaching		
3	APR	1	5	Securitization – Demat Services –	Teaching		
		2	5	Commercial Paper.	Teaching		
		3	5	**Unit III: Leasing and Hire – Purchase :** Types of Lease, Documentation and Legal aspects –	Teaching		
		4	5	Fixation of Rentals and Evaluation –	Teaching	Quiz	
		5	5	Hire Purchasing – Securitization of debts –	Teaching		
4	MAY	1	5	House Finance	Teaching		
		2	5	**Unit IV : Credit Rating:** Purpose – Types – Credit Rating Symbols –	Teaching		
				Agencies: CRISIL and CARE –			
		4	5	Equity Assessment vs. Grading – Mutual funds.	Teaching	Seminar	
5	JUNE	1	5	**Unit V : Other Financial Services:** Factoring and Forfeiting –	Teaching		
		2	5	Procedural and financial aspects – Installment System – Credit Cards –Central	Teaching		
		3	5	Depository Systems: NSDL, CSDL.			

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YEAR : 2022-2023 GROUP: IIB.Com BIFS,(EM)
SEMESTER: IV PAPER: **COM 21406-B**
NAME OF THE MODULE: Marketing of Financial Services
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	FEB	4	5	**Unit I:** **Difference between Goods and Services:** Managing Service Counters –	Teaching		
2	MAR	1	5	Integrated Service Management –	Teaching		
		2	5	. Service Elements	Teaching		
		3	5	Service Elements	Teaching	Slip test	
		4	5	**Unit II: Constructing Service Environment:** Managing People for service Advantage – Service Quality and Productivity – Customer Loyalty.	Teaching		
		5	5	Service Quality and Productivity – Customer Loyalty.	Teaching		
3	APR	1	5	Customer Loyalty.	Teaching		
		2	5	**Unit III: Pricing and Promotion Strategies:** Pricing strategies –	Teaching		
		3	5	Promotion strategies –	Teaching		
		4	5	B2B Marketing –	Teaching	Quiz	
		5	5	Marketing Planning and Control for services.	Teaching		
4	MAY	1	5	**Unit IV : Distributing Services:** Cost and Revenue Management –	Teaching		
		2	5	Approaches for providing services –	Teaching		
				Channels for Service provision – Designing and managing Service Process.			
		4	5	**Unit V : Retail Financial Services:** Investment services –	Teaching	Seminar	
5	JUNE	1	5	Insurance services – Credit Services –	Teaching		
		2	5	Institutional Financial Services –	Teaching		
		3	5	Marketing practices in select Financial Service Firms.	Teaching		

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YEAR : 2022-2023 GROUP: III B.Com BIFS, Gen (EM)

SEMESTER: V PAPER: **COM22518C**

NAME OF THE MODULE: **INCOME TAX ASSESSMENT PROCEDURES AND PRACTICE**

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	MAR	3	5	**Unit-I: Computation of Total Income and Tax Liability** Computation of Total Income and Tax Liability of Individuals-	Teaching		
		4	5	Firms and Companies -	Teaching		
		5	5	Procedure for Assessment including	Teaching		
2	APR	1	5	Problems in calculation of tax for firms & Companies	Teaching		
		2	5	**Unit-II: Clubbing of Income-Set off of Losses** Meaning of clubbing of income–	Teaching	Slip test	
		3	5	Different items come under the provisions of clubbing of income -	Teaching		
		4	5	Meaning of set-off of losses and carry-forward and set-off of losses –	Teaching		
		5	5	Types of set-off - Intra-set off and Inter-set off	Teaching		
3	MAY	1	5	**Unit-III: Tax Payment- Penalties** Advance Payment of Tax - Persons liable to pay Advance Tax –	Teaching		
		2	5	Procedure for Computation of Advance Tax – Due Dates for the Payment of Advance Tax -	Teaching	Quiz	
		3	5	Consequences of Non-payment of Advance Tax- Refund of tax, interest on refund –	Teaching		
		4	5	Appeals and Revisions	Teaching		
4	JUNE	1	5	**Unit-IV: Returns Filing** Procedure for Assessment - Filing of Return –.	Teaching		
		2	5	Prescribed Forms for filing of Returns –	Teaching		
		3	5	PAN & TAN - On-line filing of Returns-	Teaching		
		4	5	26 AS - Traces	Teaching		
		5	5	**Unit-V: TDS & TCS and e-Filing** TDS-TCS- Provisions in brief relating to TDS/TCS-	Teaching	Seminar	
5	JULY	1	5	Schedule for deposit & Submission of Returns of TDS-	Teaching		
		2	5	Form-16 generation	Teaching		

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YEAR : 2022-2023 GROUP: III B.Com CA, BIFS, Gen (EM)
SEMESTER: V PAPER: **COM22519C**
NAME OF THE MODULE: **GOODS AND SERVICES TAX WITH TALLY**
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	MAR	3	5	**Unit 1: GST- Liability and Payment** Output tax liability - Input tax credit utilization--	Teaching		
		4	5	Schedule for payment of GST-	Teaching		
		5	5	Interest/penalty for late/non-filing of return-Payment of GST-	Teaching		
2	APR	1	5	GST Network	Teaching		
		2	5	**Unit-II: GST – Accounting Masters and Inventory Masters in Tally** Company Creation- General Ledgers & GST Ledgers Creation -	Teaching	Slip test	
		3	5	Stock Groups ,	Teaching		
		4	5	Stock Items and Unit of Measure -	Teaching		
		5	5	GST Rate Allocation to Stocks	Teaching		
3	MAY	1	5	**Unit-III: GST Voucher Entry** GST Vouchers - Customizing the Existing Voucher types with applicable GST Rates –	Teaching		
		2	5	Mapping of Input Tax Credit on Purchase Vouchers -	Teaching	Quiz	
		3	5	Output Tax on Sales Vouchers-	Teaching		
		4	5	Purchase and Sales Voucher Entries with Single Rated GST and Multiple Rated GST Goods.	Teaching		
4	JUNE	1	5	**Unit-IV: GST Returns** Regular Monthly returns and Annual Return-	Teaching		
		2	5	Returns for Composition Scheme- Generation of Returns -	Teaching		
		3	5	GSTR-1, GSTR-2, GSTR-3, GSTR-4, GSTR-9, GSTR-3B	Teaching		
		4	5	**Unit-V: Payment of GST online** Payment of GST- Electronic Filing of GST Returns –	Teaching		
		5	5	Refunds – Penalties-	Teaching	Seminar	
5	JULY	1	5	Administrative structure of GST Officers- Powers-	Teaching		
		2	5	Jurisdiction.	Teaching		

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YEAR : 2022-2023 GROUP: III B.Com CA, BIFS, Gen (EM & TM)
SEMESTER: V PAPER: **COM22518A**
NAME OF THE MODULE: **MANAGEMENT ACCOUNTING AND PRACTICE**
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	MAR	3	5	**UNIT I: Introduction** Nature & Scope of Management Accounting – Management Accounting Principles	Teaching		
		4	5	Significance of Management Accounting - Difference between management accounting, financial accounting andCost accounting –	Teaching		
		5	5	Limitations of Management Accounting – Installation of Management Accounting – Tools of Management Accounting	Teaching		
2	APR	1	5	**UNIT 2: Ratio Analysis** Meaning - Advantages and Limitation of Ratio Analysis – Types of Ratios –Profitability.	Teaching		
		2	5	Ratios-Gross Profit Ratio (GPR) – Net Profit Ratio (NPR) – Operating Ratio – Solvency Ratios-	Teaching	Slip test	
		3	5	Current Ratio – Liquidity Ratio – Debt-Equity Ratio-Turnover Ratios-Fixed Assets Turnover Ratio –Working Capital Turnover Ratio – Debtors Turnover Ratio	Teaching		
		4	5	Creditors Turnover Ratio - Stock Turn Over Ratio - Return on Investment (ROI)-Calculation and interpretation	Teaching		
		5	5	**UNIT 3: Fund Flow and Cash Flow Analysis as per AS3** Meaning and Concept of Working Capital (Fund) – Fund Flow Statement –Meaning and Uses of Funds Flow Statement –	Teaching		
3	MAY	1	5	Preparation of Funds Flow Statement. Cash Flow Statement –	Teaching		
		2	5	Meaning and Uses of Cash Flow Statement – Preparation of Cash Flow Statement –	Teaching	Quiz	
		3	5	Difference between Cash Flow Statement and Funds flow Statement.	Teaching		
		4	5	**UNIT 4: Budgeting and Budgetary Control** Meaning of Budget – Forecast and Budget - Elements of Budget –.	Teaching		
4	JUNE	1	5	Features – objectives and budget procedure -– Classification of Budgets - Meaning of Control –	Teaching		
		2	5	Meaning of Budgetary control –objectives of Budgetary control system – Advantages and Limitations of Budgetary control system.	Teaching		
		3	5	Prepare cash budget, fixed budget and flexible budget	Teaching		
		4	5		Teaching		

				UNIT 5: Management Reporting: Reports - Meaning –- Modes of Reporting –			
		5	5	Requisites of a good report — Kinds of Reports –General formats of Reports -.	Teaching	Seminar	
5	JULY	1	5	Need for Management Reporting- financial reporting Vs. Management Reporting -	Teaching		
		2	5	Strategies for Writing Effective Reporting	Teaching		

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YEAR : 2022-2023 GROUP: III B.Com CA, BIFS, Gen (EM &TM)
SEMESTER: V PAPER: **COM22519A**
NAME OF THE MODULE: **COST CONTROL TECHNIQUES** 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	MAR	3	5	**Unit 1: Introduction-Nature and Scope** Introduction**:** Meaning of Cost Control – Cost Control Techniques – Requisites of effective Cost	Teaching		
		4	5	Control System – Cost Reduction – meaning – essentials for an effective cost Reduction Program –	Teaching		
		5	5	Scope of cost reduction - Difference between Cost Control and Cost Reduction –	Teaching		
2	APR	1	5	Meaning of cost audit – Types of Cost Audit – Auditing techniques.	Teaching		
		2	5	**Unit 2**: **Activity Based Costing** Concept of ABC – Characteristics of ABC – Categories of ABC –	Teaching	Slip test	
		3	5	Allocation of Overheads under ABC – Cost Reduction under ABC –	Teaching		
		4	5	advantages of implementing ABC –Application on overhead allocation on the basis of ABC **Unit**	Teaching		
		5	5	**Unit 3**: **Cost Volume Profit Analysis (CVP Analysis)** Applications of Marginal Costing – profit planning – Evaluation of Performance-fixing selling price	Teaching		
3	MAY	1	5	Key Factor –Make or Buy decision – Accept or Reject -	Teaching		
		2	5	closing down or suspending activities	Teaching	Quiz	
		3	5	**Unit 4**: **Standard Costing and Variance Analysis** Concept of Standard Cost and Standard Costing –	Teaching		

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		4	5	Advantages and limitations – analysis of variances-importance of Variance Analysis -	Teaching		
4	JUNE	1	5	computation and application of variances relating to material and labour.	Teaching		
		2	5	**Unit 5: Application of Modern Techniques** Kaizen Costing – Introduction – objectives –	Teaching		
		3	5	Scope –Principles – 5 S (Sort, Set in Order, Shine, Standardize, and Sustain) in Kaizen Costing–	Teaching		
		4	5	Advantages and Disadvantages of Kaizen Costing.	Teaching		
		5	5	Learning Curve Analysis-concept and Application.	Teaching	Seminar	
5	JULY	1	5	Revision	Teaching		
		2	5	Revision	Teaching		

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YEAR : 2022-2023 GROUP: III B.Com CA, Gen (EM &TM)
SEMESTER: V PAPER: **COM22516B**
NAME OF THE MODULE: **ADVERTISING AND MEDIA PLANNING** 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	MAR	3	5	**UNIT-I: Introduction, Nature and Scope** Advertising- Nature and Scope- Functions -	Teaching		
		4	5	Impact on Social, Ethical and Economical Aspects - Its Significance	Teaching		
		5	5	Advertising as a Marketing Tool and Process for Promotion of Business Development -	Teaching		
2	APR	1	5	Criticism on advertising	Teaching		
		2	5	**UNIT-II: Strategies of Advertisements** Types of Advertising Agencies and their Strategies in Creating Advertisements - Objectives -	Teaching	Slip test	
		3	5	Approach - Campaigning Process -	Teaching		
		4	5	Role of Advertising Standard Council of India (ASCI) -	Teaching		
		5	5	DAGMAR approach	Teaching		
3	MAY	1	5	**UNIT-III: Process of Advertisement** Creativeness and Communication of Advertising –	Teaching		

		2	5	Creative Thinking – Process – Appeals – Copy Writing -	Teaching	Quiz	
		3	5	Issues in Creation of Copy Testing –	Teaching		
		4	5	Slogan Elements of Design and Principles of Design	Teaching		
4	JUNE	1	5	**UNIT-IV: Media Planning** Advertising Media - Role of Media - Types of Media - Print Media -	Teaching		
		2	5	Electronic Media and other Media -	Teaching		
		3	5	Advantages and Disadvantages – Media Planning - Selection of Media	Teaching		
		4	5	**UNIT-V: Analysis of Market Media** Media Strategy – Market Analysis -Media Choices -	Teaching		
		5	5	Influencing Factors - Target, Nature, Timing, Frequency, Languages and Geographical Issues -	Teaching	Seminar	
5	JULY	1	5	Case Studies	Teaching		
		2	5	Revision	Teaching		

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YEAR : 2022-2023 GROUP: III B.Com CA, Gen (EM& TM)
SEMESTER: V PAPER: **COM22517B**
NAME OF THE MODULE: **SALES PROMOTION AND PRACTICE**

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	MAR	3	5	**UNIT-I: Introduction to Sales Promotion:** Nature and Scope of Sales Promotion-	Teaching		
		4	5	Influencing Factors - Sales Promotion and Control - Strengths and Limitations of Sales Promotion –	Teaching		
		5	5	Sales Organization - Setting-up of Sales Organization - Types of Sales Organization.	Teaching		
2	APR	1	5	**UNIT-II: Sales Promotion and Product Life Cycle:** Types of Sales Promotion – Consumer Oriented - Trade Oriented -	Teaching		
		2	5	Sales Oriented - Various Aspects -Sales Promotion methods in different Product Life Cycle –	Teaching	Slip test	
		3	5	Cross Promotion - Sales Executive Functions-	Teaching		
		4	5	Theories of Personal Selling -Surrogate Selling.	Teaching		
		5	5	**UNIT-III: Strategies and Promotion Campaign:** Tools of Sales Promotion - Displays,	Teaching		

3	MAY	1	5	Demonstration, Fashion Shows, Conventions - Conferences, Competitions –	Teaching		
		2	5	Steps in designing of Sales Promotion Campaign –	Teaching	Quiz	
		3	5	Involvement of Salesmen and Dealers	Teaching		
		4	5	Promotional Strategies -Ethical and Legal issues in Sales Promotion.	Teaching		
4	JUNE	1	5	**Unit-IV**: **Salesmanship and Sales Operations**: Types of Salesman - Prospecting - Pre-approach and Approach -	Teaching		
		2	5	Selling Sequence - Sales budget, Sales territories, Sales Quota's - Point of Sale –	Teaching		
		3	5	SalesContests - Coupons and Discounts - Free Offers - Showrooms and Exhibitions - Sales Manager Qualities and functions.	Teaching		
		4	5	**Unit-V**: **Sales force Management and Designing:** Recruitment and Selection - Training - Induction	Teaching		
		5	5	Motivation of sales personnel - Compensation and Evaluation of Sales Personnel -	Teaching	Seminar	
5	JULY	1	5	Designing of Events for Enhancing Sales Promotion	Teaching		
		2	5	Revision	Teaching		

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

YEAR : 2022-2023 GROUP: III B.Com BIFS, (EM)
SEMESTER: V PAPER: **COM22520B**
NAME OF THE MODULE: **LIFE INSURANCE WITH PRACTICE** 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	MAR	3	5	**Unit-I: Features of Life insurance contract** Life Insurance- Features- Advantages - Group Insurance –	Teaching		
		4	5	Group Gratuity Schemes - Group Superannuation Schemes,	Teaching		
		5	5	Social Security Schemes-	Teaching		
2	APR	1	5	Life Insurance companies in India.	Teaching		
		2	5	**Unit-II: Plans of Life Insurance** Types of Plans: Basic - Popular Plans – Term Plans-Whole Life-Endowment-Money	Teaching	Slip test	
		3	5	Back-Savings-Retirement-Convertible - Joint Life Policies -	Teaching		
		4	5	Children‘s Plans - Educational Annuity Plans -	Teaching		

		5	5	Variable Insurance Plans – Riders	Teaching		
3	MAY	1	5	**Unit-III: Principles of Life Insurance** Utmost Good Faith- Insurable Interest- Medical Examination -	Teaching		
		2	5	Age proof, Special reports - Premium payment -	Teaching	Quiz	
		3	5	Lapse and revival – Premium, Surrender Value, Non-Forfeiture Option -	Teaching		
		4	5	Assignment of Nomination- Loans – Surrenders – Foreclosure.	Teaching		
4	JUNE	1	5	**Unit-IV: Policy Claims** Maturity claims, Survival Benefits, Death Claims,	Teaching		
		2	5	Claim concession - Procedures - Problems in claim settlement -	Teaching		
		3	5	Consumer Protection Act relating to life insurance and insurance claims	Teaching		
		4	5	**Unit-V: Regulatory Framework and Middlemen** Role of IRDAI & other Agencies - Regulatory Framework -	Teaching		
		5	5	Mediators in Life Insurance –	Teaching	Seminar	
5	JULY	1	5	Agency services –	Teaching		
		2	5	Development Officers and other Officials.	Teaching		

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

YEAR : 2022-2023 GROUP: III B.Com BIFS (EM)
SEMESTER: V PAPER: **COM22521B**
NAME OF THE MODULE: **GENERAL INSURANCE PROCEDURE AND PRACTICE** 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	MAR	3	5	**Unit-I: Introduction** General Insurance Corporation Act - General Insurance Companies in India -	Teaching		
		4	5	Areas of General Insurance- Regulatory Framework of Insurance-	Teaching		
		5	5	IRDA - Objectives	Teaching		
2	APR	1	5	-Powers and Functions -Role of IRDA-	Teaching		
		2	5	Insurance Advisory Committee	Teaching	Slip test	
		3	5	**Unit-II: Motor Insurance** Motor Vehicles Act 1988 - Requirements for compulsory third party insurance –	Teaching		
		4	5	Policy Documentation & Premium- Certificate of insurance –	Teaching		

		5	5	Liability without fault – Compensation on structure formula basis -	Teaching		
3	MAY	1	5	Hit and Run Accidents.	Teaching		
		2	5	**Unit-III: Fire & Marine Insurance** Kinds of policies – Policy conditions –Documentation-	Teaching	Quiz	
		3	5	Calculation of premium-	Teaching		
		4	5	Calculation of Loss- Payment of claims.	Teaching		
4	JUNE	1	5	**Unit-IV: Agriculture Insurance** Types of agricultural insurances - Crop insurance -	Teaching		
		2	5	Problems of crop insurance - Crop Insurance Vs Agricultural relief -	Teaching		
		3	5	Considerations in Crop insurance - Live Stock Insurance.	Teaching		
		4	5	**Unit-V: Health & Medical Insurance** Types of Policies-	Teaching		
		5	5	Calculation of Premium-	Teaching	Seminar	
5	JULY	1	5	Riders-Comprehensive Plans-Payment of Claims.	Teaching		
		2	5	Revision	Teaching		

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GOVERNMENT DEGREE COLLEGE FOR MEN, KADAPA (AUTONOMOUS)

DEPARTMENT OF ECONOMICS

ANNUAL CURRICULAR PLAN 2022-2023

NAME OF THE PAPER: DEVELOPMENT ECONOMICS

Name of the Lecturer: K.SIVA RAM

CLASS: II B.A. E.M **SEMESTER :- III**

S.NO	MONTH	Week	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULARL ACTIVIY	REMARK
01	OCT	1	05	Scope and Importance of Economic development. – Economic growth and development			
		2	04	Measures of Economic development – Covid 19 (herd group) Sustainable development and Inclusive growth.			
02	NOV	1	5	Classification theory of Developing Countries – World bank and IMF Classification of countries - Kuznet's characteristics	LECTURE	ASSIGNMENT	
		2	5	Obstacles to Economic development – Vicious circle of poverty , Factors of Economic growth – economic – Non economic			
		3	6	Capital formation – Foreign and Domestic Capital Debt and Disinvestment – Classical theory – Adam smith	LECTURE	ASSIGNMENT	
		4	4	Ricardo and Malthus – Marxian theory	LECTURE	SLIPTEST	
		5	5	Schumpeter Theory - Rostow's Stages of Economic Growth – Harrod - Domar two sector model	LECTURE	ASSIGNAMENT	
03	DEC	1	3	Strategies of Economic Development – Big Push -Balanced Growth	LECTURE	SEMINAR	

		2	6	Unbalanced Growth - Mahalanobis Model - Agriculture vs Industry - Capital Intensive Technology			
		3	6	Labour Intensive Technology -Role of Infrastructure in Economic Development - Role of State in Economic Development	LECTURE	QUIZ	
		4	4	Role of Markets - Market Failure and Regulation by State			
		5	5	Public sector vs Private Sector	LECTURE	JAM	
04	J AN	1	1	Economic planning			
		2	6	Economic planning concepts – Objecives , Niti ayog	LECTURE	PROJECT WORK	
		3	0		LECTURE	PROJECT WORK	
		4	6	Economic Federalism -Financial Institutions - International Institutions-IDBI, ADB,			
		5	6	IMF -Foreign Trade - FIIs and FDIs			
10	FEB						

GOVERNMENT DEGREE COLLEGE FOR MEN, KADAPA (AUTONOMOUS)

DEPARTMENT OF ECONOMICS

ANNUAL CURRICULAR PLAN 2022-2023

NAME OF THE PAPER: DEVELOPMENT ECONOMICS

Name of the Lecturer: Dr. B. VIJAY KUMAR

CLASS: II B.A. E.M **SEMESTER :- III**

S.NO	MONTH	Week	NO. OF HOURS	TOPIC	CURRICULAR ACTIVITY	CO-CURRICULARL ACTIVIY	REMARK
01	OCT	1	05	Scope and Importance of Economic development. – Economic growth and development			
		2	04	Measures of Economic development – Covid 19 (herd group) Sustainable development and Inclusive growth.			
02	NOV	1	5	Classification theory of Developing Countries – World bank and IMF Classification of countries - Kuznet's characteristics	LECTURE	ASSIGNMENT	
		2	5	Obstacles to Economic development – Vicious circle of poverty , Factors of Economic growth – economic – Non economic			
		3	6	Capital formation – Foreign and Domestic Capital Debt and Disinvestment – Classical theory – Adam smith	LECTURE	ASSIGNMENT	
		4	4	Ricardo and Malthus – Marxian theory	LECTURE	SLIPTEST	
		5	5	Schumpeter Theory - Rostow's Stages of Economic Growth – Harrod - Domar two sector model	LECTURE	ASSIGNAMENT	
03	DEC	1	3	Strategies of Economic Development – Big Push -Balanced Growth	LECTURE	SEMINAR	

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		2	6	Unbalanced Growth - Mahalanobis Model - Agriculture vs Industry - Capital Intensive Technology			
		3	6	Labour Intensive Technology -Role of Infrastructure in Economic Development - Role of State in Economic Development	LECTURE	QUIZ	
		4	4	Role of Markets - Market Failure and Regulation by State			
		5	5	Public sector vs Private Sector	LECTURE	JAM	
04	J AN	1	1	Economic planning			
		2	6	Economic planning concepts – Objecives , Niti ayog	LECTURE	PROJECT WORK	
		3	0		LECTURE	PROJECT WORK	
		4	6	Economic Federalism -Financial Institutions - International Institutions- IDBI, ADB,			
		5	6	IMF -Foreign Trade - FIIs and FDIs			
10	FEB						

GOVT. COLLEGE FOR MEN (A)KADAPA
CURRICULAR FORMAT

YEAR : 2022-23 **GROUP: HISTORY, 3rd B.A (TM/EM)**
SEMESTER: VI **PAPER: 7B**

NAME OF THE MODULE: TOURISM GUIDANCE AND OPERATING SKILLS
NO.HOURS/WEEK:05 **TOTAL HOURS/CREDITS:90/4 CREDITSNAME OF THE LECTURER: N. SIVAPARVATHI**

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVTY	CO-CURRICULAR ACTIVITY	REAMRKS
1	MAR-23	1st	5	Meaning of tour guide – different types of tour guide:Heritage guide, Nature guide, Adventure guide, business guide etc.	Lecture	Assignments	
		2nd	5	Duties and Responsibilities of guides-various roles of tour guide	Lecture	Assignments &Student Seminar	
		3rd	5	Guiding Techniques:Leadership Skills. Social Skills-Presenation Skills-Communication Skills	Lecture	Debate	
		4th	5	Guide's Personality skills- Personal hygien and grooming-Code of conduct	Lecture	Student Seminar	
2	APRIL-23	1st	5	Guest Relationship Management-Handling emergency situations.	Lecture	ProjectWork	
		2nd	5	VISA/Passport-Handling Guest with special needs/Different Abilities/Different age groups	Lecture	Assignments	
		3rd	5	Conducting Tours-Pre-Tour Planning, Route Chart,	Lecture	Assignments	
		4th	5	Modes of Transportation-Road ways, Air ways-Rail ways and Water ways.	Lecture	Student Seminar& Quiz	
3	MAY-23	1st	5	Security Measures-Check List etc.	Lecture	Debate	
		2nd	5	Conducting various types of tours..	Lecture	Group Discussion	
		3rd	5	Relationship with Fellow Guides-Officials	Lecture	Quiz	

		4th	**5**	Cordination with hospitality institutions	Lecture	Assignments &JAM	
4	**JUNE-23**	**1st**	**5**	Trave Agency and Tour Operations-Functions of Travel Agency	Lecture	Guest Lecture	
		2nd	**5**	Difference between Travel Agent and tour operator	Lecture	Assignments	
		3rd	**5**	Different types of Travel Agencies-Functions of Tour Operator	Lecture	Assignments &Student Seminar	
		4th	**5**	Types of Tour Operations and Tour Operators	Lecture	Debate	
5	**JULY-23**	**1st**	**5**	A brief study of Tour Operating Agencies	Lecture	Map Reading	
		2nd	**5**	APTDC Aims and Objectives	Lecture	Field Visit	
		3rd	**5**	APTDC Functions – Southern Travels etc.	Lecture	Assignments &Student Seminar	
		4th	**5**	**REVISION**	Lecture	Pre-Final	

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CURRICULAR FORMAT

YEAR : 2022-23 **GROUP: HISTORY, 2nd B.A (T/M&EM)**
SEMESTER: I **PAPER:I**
NAME OF THE MODULE: **ANCIENT INDIAN HISTORY &**CULTURE **(**From Indus Valley Civilization to 13th Century)

NO.HOURS/WEEK:05 **TOTAL HOURS/CREDITS:90/4 CREDITS**
Name of the Lecture: N.SIVAPARVATHI

S.No	Month	Week	Topic	Curricular Activty	Co-Curricular Activity	Reamrks
1	JUNE	1st	**Bridge course**			
		2nd	Ancient Indian Civilization (from Circa 3000 BC to 6 th BC): Indus Valley Civilization - Salient Features			
		3rd	Vedic Age - Society	Lecture	Assignments	
		4th	Society, Polity, Economy, Culture during early and later Vedic period	Lecture	Slip Test	
2	JULY	1st	Ancient Indian History & Culture (6th Century BC to 2 rd Century AD): Doctrines of Jainism and Buddhism	Lecture	Assignments	
		2nd	Jainism and Buddhism	Lecture	Map Reading &Quiz	
		3rd	Mauryan Administration, Ancient Indian History & Culture (6th Century BC to 2 rd Century AD): Doctrines of Jainism and Buddhism Society, Economy & Culture	Lecture	Map Reading &Debate	
		4th	Ashoka's Dharma; Kanishka's Contribution to Indian Culture	Lecture	Assignments	

3	**AUG**	**1st**	History & Culture of South India (2nd Century BC to 8 th Century AD)Sangam Literature Administration,	Lecture	Quiz	
		2nd	Society, Economy and Culture under Satavahanas;	Lecture	Group Discussion	
		3rd	Cultural contribution of Palllavas	Lecture	JAM	
		4th	India from 3 rd century AD to 8 th century AD:,	Lecture	Guest Lecture	
4	**SEPT**	**1st**	Administration, Society Economy,	Lecture	Field visit	
		2nd	Religion, Art, Architecture Literature	Lecture	Slip Test	
		3rd	Cultural science & Technology under Guptas	Lecture	Student Seminar	
		4th	Samudragupta-Achievements	Lecture	Debate	
5	**OCT**	**1st**	contribution of Harsha	Lecture	Student Seminar	
		2nd	Arab Conquest of Sind and its Impact	Lecture	Slip Test	
		3rd	History and Culture of South India (9th century AD to 13th century)Chola-Administration **Kakatiy**a-**Rudramadevi**	Lecture	Map Reading& Assignments'	
		4th	REVISION		Pre-Final	

GOVT. COLLEGE FOR MEN (A) KADAPA
CURRICULAR FORMAT

YEAR : 202**2**-2**3** **GROUP: HISTORY, Ist B.A (T/M&EM)**

SEMESTER: II **PAPER: II**

THE NAME OF THE MODULE: **NAME OF MODU**: **MEDIEVAL INDIAN HISTORY &CULTURE (1206 A.D to 176**5 **A.D)**

NO.HOURS/WEEK:05 **TOTAL HOURS/CREDITS:90/4 CREDITS**

Name of the Lecture: N.Siva Parvathi

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVTY	CO-CURRICULAR ACTIVITY	REAMRKS
1	NOV	1st	6	Impact of Turkish Invasions	Lecture	Map Reading	
		2nd	6	Balban	Lecture	Assignments	
		3rd	6	AllauddhinKhilji	Lecture	Map Reading	
		4th	6	Md. Bin Tughlaq –	Lecture	Student Seminar	
2	DEC	1st	6	Administration, Society, Economy Religion and Cultural developments under Delhi Sultanate (from 1206 to 1526 AD)	Lecture	Slip Test	
		2nd	6	Impact of Islam on Indian Society and Culture – Bhakti Movement	Lecture	Project Work	
		3rd	6	Administration, Society, Economy, Religion and Cultural developments under Vijayanagara Rulers	Lecture	Map Reading&Debate	
		4th	6	Emergence of Mughal Empire – Babur	Lecture	Guest Lecture	
3	JAN	1st	6	Sur Interregnum	Lecture	Assignments	
		3rd	6	Expansion & Consolidation of Mughal Empire	Lecture	Student Seminar	
		4th	6	Jahangir	Lecture	Assignments	
		1st	6	Shah Jahan, Aurangazeb	Lecture	Quiz	
4	FEB	**Ist**	6	Administration, Economy, Society and Cultural Developments under the Mughals	Lecture	Project Work	
		2nd	6	Disintegration of Mughal Empire - Rise of Marathas under Shivaji	Lecture	Student Seminar	
		3rd	6	India under Colonial Hegemony : Beginning of European Settlements	Lecture	Group Discussion	
		4th	6	Anglo-French Struggle – Conquest of Bengal by EIC	Lecture	Student Seminar	

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CURRICULAR FORMAT

YEAR : 2022-23: GROUP: HISTORY, 2nd B.A (EM) SEMESTER:III PAPER:III

NAME OF THE MODULE: MODERN INDIAN HISTORY & CULTURE (1764-1947 A. D)

NO.HOURS/WEEK:05 TOTAL HOURS/CREDITS:90/4 CREDITS Name of the Lecturer :Dr.M.Ramesh

S. No	Month	Week	No. Of Hours	Topic	Curricular Activty	Co-Curricular Activity	Reamrks
1	OCT-22	1st		Introduction	Lecture		
		2nd		Model Question Papers	Lecture		
		3rd	5	Policies of Expansion –Warren Hastings,	Lecture	Map Reading &Assignments	
		4th	5	Cornwallis - Subsidiary Alliance & Doctrine of Lapse	Lecture	Map Reading &Quiz	
2	NOV-22	1st		Causes & Results of 1857 Revolt – Lytton, Rippon, Curzon	Lecture	Assignments	
		2nd	5	Social, Religious & Self-Respect Movements – Raja Rammohan Roy,	Lecture	Slip Test	
		3rd	5	Dayananda Saraswathi, Swami Vivekananda, JyotibaPhule, Narayana Guru, Periyar, Dr. B. R. Ambedkar	Lecture	Debate	
		4th	5	Causes for the growth of Nationalism - Freedom Struggle from 1885 to 1920:	Lecture	Assignments	
3	DEC-22	1st	5	Freedom Struggle from 1920 to 1947	Lecture	Quiz	
		2nd	5	Gandhiji's Role in the National Movement	Lecture	Group Discussion	
		3rd	5	Revolutionary Movements– Subhas Chandra Bose	Lecture	JAM	
		4th	5	Muslim League & the Growth of Communalism	Lecture	Guest Lecture	
4	JAN-23	1st	5	Partition of India – Advent of Freedom -	Lecture	Debate	
		2nd	5	Integration of Princely States into Indian Union	Lecture	Slip Test	
		3rd	5	SardarVallabhai Patel	Lecture	Student Seminar	
		4th	5	REVISION		Pre-Final	

GOVT. COLLEGE FOR MEN (A)KADAPA
CURRICULAR FORMAT

YEAR : 2022-23 **GROUP: HISTORY, 2nd B.A (EM)** **SEMESTER:IV** **PAPER:V**

NAME OF THE MODULE: HISTORY OF MODERN WORLD (From 15th Cent. AD to 1945 AD)

NO.HOURS/WEEK:05 **TOTAL HOURS/CREDITS:90/4 CREDITS.** **Name of the Lecturer :Dr.M.Ramesh**

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVTY	CO-CURRICULAR ACTIVITY	REAMRKS
1	FEB-23	1st		Introduction	Lecture		
		2nd		Model Question paper	Lecture		
		3rd	5	Transformation from Medieval to Modern Era	Lecture	Map Reading Assignments	
		4th	5	Chief Characteristics; Glorious Revolution (1688) – Origin of Parliament Bill of Rights – Results	Lecture	Assignments &Student Seminar	
2	JAN-23	1st	5	American Revolution (1776); Causes, Course and Results	Lecture	Debate	
		2nd	5	American Revolution (1776); Causes, Course and Results	Lecture	Map Reading	
		3rd	5	French Revolution (1789) – Causes, Course and Results	Lecture	SLIP TEST	
		4th	5	French Revolution (1789) – Causes, Course and Results	Lecture	ZAM	
3	MAR-23	1st	5	Unification of Italy	Lecture	Assignments	
		2nd	5	Unification of Italy	Lecture	Student Seminar	
		3rd	5	Unification of Germany	Lecture	Map Reading	
		4th	5	Unification of Germany	Lecture	Group Discussion	
4	APRIL-23	1st	5	Communist Revolution in Russia	Lecture	& Field Visit	
		2nd	5	World War I: Causes – Results of the War	Lecture	Assignments	
		3rd	5	World War I: Causes – Results of the War – Paris Peace	Lecture	Student Seminar,	
		4th	5	Paris Peace Conference; League of Nations	Lecture	Guest Lecture	
5	MAY-23	1st	5	World War II: Causes, Results	Lecture	Map Reading	
		2nd	5	Fascism & Nazism	Lecture	Quiz	

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		3rd	5	The United Nations Organization: Structure, Functions and Challenges	Lecture	Assignments	
		4th	5	REVISION	Lecture	Pre-Final	

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CURRICULAR FORMAT

YEAR : 2022-23 **GROUP: HISTORY, 2nd B.A (EM)**
SEMESTER:IV **PAPER:IV**
NAME OF THE MODULE: HISTORY AND CULTURE OF ANDHRA DESA (1512 TO 1956 AD)

NO.HOURS/WEEK:05 **TOTAL HOURS/CREDITS:90/4 CREDITS**

Name of the Lecturer: Dr.M.Ramesh

S.NO	MONTH	WEEK	NO. OF HOURS	TOPIC	CURRICULAR ACTIVTY	CO-CURRICULAR ACTIVITY	REAMRKS
1	FEB-23	1st	5	Downfall of the Vijayanagara – Rise of Qutubshahis	Lecture	Map Reading Assignments	
		2nd	5	Qutubshahis- Polity – Socio, Economic	Lecture	Assignments &Student Seminar	
		3rd	5	Qutubshahis- Religion, Art and Architecture	Lecture	Map Reading& Debate	
		4th	5	Emergence of East India Company over Andhra	Lecture	Map Reading	
2	MAR-23	1st	5	Emergence of East India Company over Andhra	Lecture	Map Reading& ProjectWork	
		2nd	5	Carnatic Wars – Northern Circars	Lecture	Map Reading	
		3rd	5	– Ceded Districts	Lecture	Assignments	
		4th	5	Impact of Company Rule – Land and Revenue	Lecture	Student Seminar& Quiz	
3	APRIL-23	1st	5	Impact of Company Rule – Land and Revenue	Lecture	Debate	
		2nd	5	Munro- Brown – Cotton	Lecture	Group Discussion	
		3rd	5	1857 Revolt – Impact on Andhra	Lecture	Map Reading &Quiz	
		4th	5	Freedom Movement in Andhra – 1885 to 1947	Lecture	Assignments &JAM	

4	MAY-23	1st	5	Freedom Movement in Andhra – 1885 to 1947	Lecture	Guest Lecture	
		2nd	5	Freedom Movement in Andhra – 1885 to 1947	Lecture	Map Reading Assignments	
		3rd	5	Freedom Movement in Andhra – 1885 to 1947	Lecture	Assignments &Student Seminar	
		4th	5	Freedom Movement in Andhra – 1885 to 1947	Lecture	Debate	
5	JUNE-23	1st	5	Formation of Andhra State and Andhra Pradesh	Lecture	Map Reading	
		2nd	5	Formation of Andhra State and Andhra Pradesh	Lecture	Field Visit	
		3rd	5	Consequences	Lecture	Assignments &Student Seminar	
		4th	5	REVISION	Lecture	Pre-Final	

GOVT. COLLEGE FOR MEN (A)KADAPA
CURRICULAR FORMAT

YEAR : 2022-23 **GROUP: HISTORY, 3rd B.A (TM/EM)**
SEMESTER:VI **PAPER: 6B**
NAME OF THE MODULE: **TOURISM AND HOSPITALITY SERVICES**
NO.HOURS/WEEK:05 **TOTAL HOURS/CREDITS:90/4 CREDITS** **NAME OF THE LECTURER: DR.M.RAMESH**

S.No	Month	Week	No. Of Hours	Topic	Curricular Activty	Co-Curricular Activity	Reamrks
1	MAR-23	1st	5	Tourism Definition Nature and Scope History of Tourism	Lecture	Assignments	
		2nd	5	Types of Tourism Domestic and International Tourism	Lecture	Assignments &Student Seminar	
		3rd	5	Causes of rapid growth of tourism — National Institute of Tourism and Hospitality Management	Lecture	Debate	
		4th	5	Causes of rapid growth of tourism — National Institute of Tourism and Hospitality Management	Lecture	Student Seminar	
2	APRIL-23	1st	5	Relationship between history and tourism - Town Church, Kadapa.	Lecture	Project Work	
		2nd	5	Major tourist spots in AP Gandikota, Nagarjunakonda, Amaravathi, Lepakshi	Lecture	Assignments	

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		3rd	5	Important tourist place in YSR Kadapa Dist – Ontimitta, Sidhout Fort, Ameen Peer Dargah	Lecture	Assignments	
		4th	5	Important tourist place in YSR Kadapa Dist, Devuni Kadapa, Sowmyanatha Temple Nandaluru, Pupshpagiri, Congregational Town Church, Kadapa.	Lecture	Student Seminar& Quiz	
3	MAY-23	1st	5	Characteristics of Hospitality Industry - Inflexibility, Intangibility, Perish ability	Lecture	Debate	
		2nd	5	Characteristics of Hospitality Industry, Inflexibility, Intangibility, Perish ability	Lecture	Group Discussion	
		3rd	5	Types of Hospitality jobs — Hotel Manager, Hotel Receptionist, Restaurant Manager, Catering Assistant, Executive Chef etc	Lecture	&Quiz	
		4th	5	Concepts of Atithi Devo Bhavah - Types of hotels in India	Lecture	Assignments &JAM	
4	JUNE-23	1st	5	Duties, responsibilities & skills of front office staff	Lecture	Guest Lecture	
		2nd	5	Duties, responsibilities and skills of housekeeping staff -	Lecture	Assignments	
		3rd	5	Guest stay process in a hotel - major processes and stages associated with it	Lecture	Assignments &Student Seminar	
		4th	5	Guest stay process in a hotel - major processes and stages associated with it	Lecture	Debate	
5	JULY-23	1st	5	Different types of services offered in selected Hotels/Motels/Restaurants	Lecture	Map Reading	
		2nd	5	Different types of services offered in selected Hotels/Motels/Restaurants	Lecture	Field Visit	
		3rd	5	Room Service, Catering Services -Different types of managerial issues - Service etiquettes	Lecture	Assignments &Student Seminar	
		4th	5	REVISION	Lecture	Pre-Final	

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Teaching Plan
Paper III: Social Psychology-I

Year: 2022-23 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	Oct-IV	04	Social Perception	Demonstration	Seminar
4	Nov- I	04	Attribution	Lecture, PPT	
5	Nov- II	04	Theories of Attribution	Lecture, PPT	Assignment
6	JNov-III	04	Fundamental of Atttribution	Lecture, PPT	Seminar
7	Nov- IV	04	Communication	Lecture	
8	Dec- I	04	Bariers of effective communication	Demonstration	Assignment
9	Dec- II	04	Impression Formation	Lecture,PPT	
10	Dec- III	04	Attitudes	Lecture	Assignment
11	Dec- IV	04	Methods of Attitudes	Lecture, PPT	Seminar
12	Jan- I	04	Bogardus method of social Distance	Lecture	Seminar
13	Jan- II	04	Social Influence	Demonstration	Assignment
14	Jan- III	04	Definition of Social influence	Lecture, Drill	
15	Jan-IV	04	Different forms of social influence	Lecture, Drill	Seminar

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Teaching Plan

Paper IV: Social Psychology-II

Year: 2022-23 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	Apr-I	04	Types of groups	Lecture	Assignment
9	Apr- II	04	Leadership	Lecture	Assignment
10	Apr-III	04	Definitions of leadership	Lecture, PPT	Seminar
11	Apr-IV	04	Types of Leadership	Lecture	
12	May-I	04	Democratic leaders	Lecture, PPT	Assignment
13	Jun-I	04	Charismatic leaders	Lecture	
14	Jun-II	04	Prosocial Behaviour –Helping others	Lecture, PPT	Assignment
15	Jun-III	04	Bystander effect	B	

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Teaching Plan

Paper V (2020-21 ABNORMAL PSYCHOLOGY

Year: 2022-23 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	Nov-III	04	Introduction to Abnormal psychology	Lecture	-
2	Nov-IV	04	Defining abnormal	Lecture	Seminar
3	Dec-I	04	Criteria abnormal	Demonstration	Assignment
4	Dec-II	04	Classification and causes of abnormality	Lecture, PPT	
5	Dec-III	04	Classification of disorder	Lecture, PPT	Assignment
6	Dec-IV	04	Etiological factors	Lecture, PPT	Seminar
7	Jan-I	04	Social –cultural factors	Lecture, PPT	Assignment
8	Jan-III	04	Anxiety Disorders	Lecture, PPT	
9	Jan-IV	04	Nature and symptoms	Lecture, PPT	Assignment
10	Feb-I	04	Anxiety disorder	Discussion	
11	Feb-II	04	Phobia	Discussion, Drill	Seminar
12	Feb-III	04	Types of disorder	Lecture	Assignment
13	Feb-IV	04	Somatoform Disorders	Discussion	Seminar
14	Mar-I	04	Symptoms of Somatoform Disorders	Lecture, PPT	Assignment
15	Mar-II	04	Types of Somatoform Disorders	Lecture, PPT	

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Teaching Plan Paper V: Education Psychology

Year: 2022-23 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	Nov-III	03	Introduction to Education psychology	Lecture	-
2	Nov-IV	03	Nature importance	Lecture	Seminar
3	Dec-I	03	Scope of Importance	Demonstration	Assignment
4	Dec-II	03	Methods of educational psychology	Lecture, PPT	
5	Dec-III	03	Learning	Lecture, PPT	Assignment
6	Dec-IV	03	Nature of learning process.	Lecture, PPT	Seminar
7	Jan-I	03	Learning and maturation	Lecture, PPT	Assignment
8	Jan-III	03	Theories and laws of learning	Lecture, PPT	
9	Jan-IV	03	Role of motivation	Lecture, PPT	Assignment
10	Feb-I	03	Attention learning	Discussion	
11	Feb-II	03	Transfer of learning	Discussion, Drill	Seminar
12	Feb--III	03	Theories of Transfer of learning	Lecture	Assignment
13	Feb-IV	03	Factors influencing transfer learning	Discussion	Seminar
14	Mar-I	03	Memory	Lecture, PPT	Assignment
15	Mar-II	03	Types of memory	Lecture, PPT	

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CURRICULAR FORMAT

YEAR: 2022-23 **GROUP: I BA**
SEMESTER: I **PAPER: Introduction to Political Science**
NAME OF THE LECTUER: SRI K.CHAKRAVARTI GONDYALA **HOURS/WEEK: 6**

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	OCT	1	5	Introduction to Political Science	Teaching		
2	NOV	1	5	Definitions	Teaching		
		2	5	Scope of Political Science	Teaching		
		3	5	Importance of Political Science	Teaching		
		4	5	Relations with allied Discipline (History, Economics, Philosophy & Sociology)	Teaching		
3	DEC	1	5	Traditional Approaches to the study of Political Scienc	Teaching		
		2	5	Modern Approaches to the Study of Political Science	Teaching	Group discussion	
		3	5	Definition of the State	Teaching	I Internal exam	
		4	5	Elements of the State	Teaching	Seminar	
4	JAN	1	5	Concepts of Modern State and Welfare State	Teaching	Group discussion	

		2	5	**Introduction to Sovereignty**			
		3	5	**Pongal Holidays**			
		4	5	**Austin Sovereignty Law - Features of Law Liberty – Types of Liberty**	**Teaching**	**II internal exam**	
5	**FEB**	**1**	**5**	**Ideologies: liberalism and marxism**	**Teaching**	**Group discussion**	
		2	**5**	**Revision and commencement of external exams**			

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CURRICULAR FORMAT

YEAR: 2022-2023 **GROUP: I BA**
SEMESTER: II **PAPER: Basic Organs of the Government**
NAME OF THE LEACTUER: SRI K.CHAKRAVARTI GONDYALA **NO. HOURS/WEEK: 6**

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	**FEB**	**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**		
2	**MAR**	**1**	**5**	**Theory of Separation of Powers**	**Teaching**		

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		2	5	Legislature- Unicameral, Bicameral	Teaching		
		3	5	Functions of Executive			
		4	5	Executive – Types, Power and Functions			
3	APRIL	1	5	judiciary	Teaching	I Internal	
		2	5	Judiciary – Powers and Functions	Teaching		
		3	5	Unitary form of government			
4	MAY	1	5	Federal form of Government	Teaching	Seminar	
		2	5	Parliamentary form of Government, presidential formd	Teaching	II Internal	
		3	5	Pressure groups and public opinion	Teaching		
		4	5	Revision	Teaching		

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CURRICULAR FORMAT

YEAR: 2022-2023 **GROUP: II B.A**
SEMESTER: III **PAPER: Indian Government and Politics 1**
NAME OF THE LEACTUER: DR.P.HARI PRASAD **NO. HOURS/WEEK: 5**

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks

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1	**NOV**	**1**	**5**	**The ideological legacy of the Indian National Movement on the Constitutent Assembly**	**Teaching**		
		2	**5**	**The Nature and composition of the Constitution Assemby**			
		3	**5**	**The Significance of 1909, 1919 and 1935 Acts in framing of Indian Constitution.**			
		4	**5**	**Preamble: Underlying values of the Indian Constitution, Sailent features of the Constition of India**			
2	**DEC**	**1**	**5**	**Fundamental Rights**	**Teaching**		
		2	**5**	**Fundamental Rights**	**Teaching**	**Internal Exam**	
		3	**5**	**Directive Principles of State Policy**	**Teaching**	**Slip test**	
		4	**5**	**, 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**	
		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**	**Revision**	**Teaching**	**Seminar**	

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YEAR: 2022-2023 **GROUP: II B.A**
SEMESTER: IV **PAPER: Indian Political Process**
NAME OF THE LEACTUER: DR.P.HARI PRASAD **NO. HOURS/WEEK: 5**

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	FEB	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		
2	MAR	1	5	Council of Ministers and Powers	Teaching		
		2	5	Composition of State Legislature	Teaching		
		3		Governor, speaker			
3	APRIL	1	5	Evolution of Modernity in India	Teaching	I INTERNAL	
		2	5	Evolution of Party system in India	Teaching		
		3	5	The ideology and social bases of major political parties	Teaching	Group discussion	

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		4	5	Determination of voting behaviour in India			
4	MAY	1	5	Methods to achieve national integration	Teaching	Seminar	
		2	5	Local Self Government Institutions-Introduction	Teaching	II internal	
		3	5	73rd Amendment Act	Teaching		
		4	5	Revision	Teaching	End Sem	

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YEAR: 2020-2021 **GROUP: II B.A**
SEMESTER:IV **PAPER: Western Political Thought**
NAME OF THE LEACTUER: SRI CHAKRAVARTHY GONDYALA **NO. HOURS/WEEK: 5**

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	FEB	3	5	Introduction	Teaching		
		4	5	Social Features of city states	Teaching		
2	MAR	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		
3	APRIL	1	5	St. Augustin earthly state	Teaching	Internal Exams	
		2	5	Machiavelli		Slip Test	

		3	5	Machiavelli state craft	Teaching		
		4	5	Liberal thought	Teaching	Quiz	
4	MAY	1	5	Thomos Hobbes – social contact	Teaching	Group discussion	
		2	5	John locke – social contact, Jermy Bentham – utilitarianism	Teaching	II Internal	
		3	5	J.J.Rousseau social contact, Liberal Democratic thought,	Teaching	Seminar	
		4	5	John stuart mill – Individual liberty, Hegel Karl marx	Teaching	END SEM	

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YEAR: 2022-2023 **GROUP: IIIB.A**
SEMESTER: V **PAPER: Electoral Politics and Voting Behaviour**
NAME OF THE LEACTUER: SRI K.CHAKRAVARTI GONDYALA **NO. HOURS/WEEK: 5**

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	MAR	1	5	Democracy	Teaching		
		2	5	Electoral Politics	Teaching		
		3	5	Nature of Indian Party system	Teaching	Quiz	
		4	5	Nature of Indian Party system			
2	APR	1	5	Factors responsible for success of democracy	Teaching	I internal	
		2	5	Determinants of voting behaviour			

		3	**5**	**General Elections in India since 1952**	**Teaching**		
		4	**5**	**Electoral Reforms**	**Teaching**		
3	**MAY**	**1**	**5**	**Tarakunde Committee, Indrajeet gupta Committe**	**Teaching**	**Slip test**	
		2	**5**	**Need for electoral reforms**	**Teaching**	**II internal**	
		3	**5**	**Public Opinion**	**Teaching**		
		4	**5**	**Summer vacation**			
4	**JUNE**	**1**	**5**	**Summer vacation**			
		2	**5**	**Summer Vacation**			
		3	**5**	**Opinion Polls. Exit Polls**	**Teaching**	**Quiz**	
		4	**5**	**Revision**	**Teaching**	**Seminar**	
5	**JULY**	**1**	**5**	**Semester End Exams**	**Teaching**		

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CURRICULAR FORMAT

YEAR: 2022-2023 **GROUP: IIIB.A**
SEMESTER: V **`PAPER: Legislative Procedures and Practices**
NAME OF THE LEACTUER: P Hari Prasad **NO. HOURS/WEEK: 5**

S.No	Month	Week	No. of hours	Topic	Curricular activity	Co-curricular activity	Remarks
1	MAR	1	5	Introduction:	Teaching		
		2	5	Powers of legislature			
		3	5	Historical origins of Legislature	Teaching		
		4	5	Composition of Legislature Assembly, Legislative Council	Teaching	Quiz	
2	APRIL	1	5	Bill : various stages	Teaching		
		2	5	Various stages of the bill			
		3	5	Legislative commitees	Teaching	Internal Exams	
		4	5	Legislative commitees	Teaching		
3	MAY	1	5	Select committes	Teaching	Slip test	
		2	5	Budget preparation	Teaching	II internal	

		3	**5**	**Summer Vacation**			
		4	**5**	**Summer Vacation**			
4	**JUNE**	**1**	**5**	**Summer Vcation**			
		2	**5**	**Budget process**	**Teaching**		
		3	**5**	**Various motions in legislatures**	**Teaching**	**Quiz**	
		4	**5**	**Revision**	**Teaching**	**Seminar**	
5	**JULY**	**1**	**5**	**Semester End Exams**			

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