GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM - 612 001

Affiliated to Bharathidasan University
DST - CURIE Sponsored Institution

DST - CURIE Sponsored Institution
IV Cycle of Accreditation



Estd. 1963





CRITERION II – TEACHING - LEARNING AND EVALUATION

2.3 Teaching - Learning Process

2.3.3 Academic Calendar and Teaching plans by the Institution

TEACHING PLANS

2018-2019

பாடத்திட்டஅமைவ் (EVEN) プロ/*& - ந*ெ/*ெ '*

பெயர்:முனைவர் ப.கோடித்துரை

வருடம்: 2018-2019

வகுப்பு: இளங்கலை முதலாமாண்டு

தாள் குறியீடு :TLBA3

பருவம்: இரண்டாம் பருவம்

தாள்: இணையமும் தமிழும்

நோக்கம்:அறிவியல் தமிழ் இணையத் தமிழ் கணினித் தமிழ் எனத் தமிழ் மொழியின் வளர்ச்சியினையும் தமிழின் பண்முகப் பரிமாணங்களையும் மாணவர்கள் தெரிந்துகொள்வதே நோக்கமாகும்.

ഖ.எ	பயிற்றும் முறைகள்	வகுப்புப்	மொத்தம்
ண்		பங்கீடு(அலகு)	
1	கரும்பலகையின் வழி Chak& Talk	அலகுவாரியாக12மணி நேரம்	60
2	வரைபடம் புலனம் வழி	தேவையானஅலகிற்கு	03
3	வகுப்புத்தோவுவாய்மொழி,எழுத்துவழி	5தோவு 5 அலகு	05
4	கருத்தரங்கம் ,கலந்துரையாடல்	5 அலகு (1 வகுப்பு நேரம்)	05
5	இறுதிமதிப்பீடுதிருப்புதல் தோவு	02	02
	Per week credit 3)
		மொத்தம்	75

ഖ.எண்	வாரவாரியானவகுப்பு	பயிற்றுவகுப்புகள்- மொத்தம்
1	0.5	75

பாடத்திட்டம்பயிற்றுமுறைமதிப்பிடும் முறை

ഖ.எண்	அலகுவாரியாக	வகுப்பு	வரைபடம்	தேர்வு	கருத்தரங்கம்	திருப்புத
1	கணிப்பொறிஅறிமுகம் - கணிப்பொறியின் வரலாறுவளர்ச்சிகுணங்கள் - கணிப்பொறியின்	04		01	01	தோவு
	அமைப்பு வகைகள் - நுண் கணிப்பொறிவன்பொருள் - மென்பொருள் உள்ளீட்டுக் கருவிவெளியீட்டுக் கருவிசேமிப்புக் கருவி -	04				
	கருவிசேமிப்புக் கருவி - இயக்குதளம்.தமிழ் கணினி இணையப் பயன்பாடுகள்.	04				
	கணினியில் தமிழும் -					
2	தமிழ் மென்பொருள் - விசைப்பலகைதமிழில் மின்னஞ்சல்-எழுத்துருக்கள் (மயிலை,அழகி,செல்லினம்)	03	01	01	01	01
	தமிழ்ச்சொற்பொருள் திருத்தி (பொன்மொழி,பொன்சொல், வானிஎழுத்து,பிழைதிருத்தி) சந்திப்பிழைதிருத்தி (நாவி,பொன்மொழி) தமிழ் மின் அகராதிமின்பொருள் (குறள்) சொற்செயல்	04				
	எழுத்துணரிதமிழ் பிரெய்லிஎழுத்துப்பேச்சுமாற் றியாப்புணரி	05				
	தமிழ் இணையம் - இணையம் அறிமுகம் - கணினி இணையத்தில்	03				
3	தமிழ் - தமிழ் இணையமாநாடுதமிழ் கணினிமொழியியல் -	03	01	01	01 .	 ,
	இணையத்தமிழ் பங்களிப்பாளர்கள் - கணினித்தமிழ் விருதுகள்.	03				

4	மின் அஞ்சல் - தமிழ் வலைப்பூக்கள் -	04		Teles I		Total Service
4	வலைப்பூக்கள்-		01	01	01	
	உருவாக்கம்- வலைப்பதிவுகள்-	04			di distribuit	
	திரட்டிகள்-	04				
	தமிழ்எழுத்துபதிவிறக்கம்		Mile .		A THE PERSON NAMED IN	
	செய்தல் - தமிழ்	Transfer in				100000
	எழுத்துருமாற்றம் - தமிழ்					
	மின்னஞ்சல் நூலகம் -மின் நூல்கள்.	04				
1.5	நூல்கள்.					
5	மின்னூல் உருவாக்கம் -	04				
	மின் மொழிபெயர்ப்புகள்			01	01	01
	தமிழ்	04		The state of		
	விக்கிபீடியா'சமூகஊடகங்க	1				
	ள் ஸ்கைப் தமிழ்	4.30				
	குறுஞ்செய்திகற்றல்					
	கற்பித்தலில்தொழில் · ·	04	this by	1		
I	நுட்பபங்கு					
		60	03	05	05	02
		China Palan				

தேர்வுவிபரம்

தோவு: 5 தோவுகள் 25 மதிப்பெண்கள் பிரிவு அ: 10X1=10 பிரிவு ஆ:1X5=05

பிரிவு இ: 1X10=<u>10</u>

25

Incharge Staff

Hod

Igac Coordinator

Co-erdinator
Internal Quality Assurance Cell (IQAC)
Gevt. College for Women (A)
Kumbakenam-612 661

2018-2019 (ODD SEM)

பாடத்திட்டஅமைவு

பெயா்: முனைவா் மு.வசந்தராதேவி

வருடம்: 2018-2019

வகுப்பு: இளங்கலைமுதலாமாண்டு

தாள் குறியீடு : TLCA02

பருவம் : முதல் பருவம்

தாள்: சிற்றிலக்கியம்

நோக்கம்: சிற்றிலக்கிய வகையை உணரச்செய்தல் வழக்கு சொல்லாட்சி அறிதல்

<u></u> ฌ.ส	பயிற்றும் முறைகள்	வகுப்புப் பங்கீடு	மொத்தம்
ண்		(அலகு)	المرورو العالم
1	கரும்பலகையின் வழி	அலகுவாரியாக 13	65
	Chak& Talk	மணிநேரம்	
2	வரைபடம் புலனம் வழி	தேவையானஅலகிற்கு	01
3	வகுப்புத்தோவு,வாய்மொழி,எழுத்துவழி	5 தேர்வு 5 அலகு	05
4	கருத்தரங்கம்கலந்துரையாடல்	5 அலகுகள் (1வகுப்பு	02
		நேரம்)	
5	இறுதிமதிப்பீடுதிருப்புதல் தோவு	02	02
	Per week credit 4	மொத்தம்	75

ഖ.எண்	வாரவாரியானவகுப்பு	பயிற்றுவகுப்புகள் - மொத்தம்
1	05	75

பாடத்திட்டம்,பயிற்றுமுறை மதிப்பிடும் முறை

ഖ.எண்	அலகுவாரியாக	வகுப் பு	வரைபடம்	தேர்வு	கருத்தரங்கம்	திருப்புதல் தோ்வு
1577	பிள்ளைத்தமிழ்	01				
	அறிமுகம்	02	The state of	11 377	13 July 1 1 1	
	இலக்கணம்	01			17 17 17 18 18 18	
1	வகைகள் சிறப்பு	09		01		
			THE STATE OF THE S		The State of	
	தூது			-144		127 11 121
2	ஆழகர் கிள்ளைவிடு தூது			9		
	சிறப்பு- கிளி- தகுதி- அழகர்	05	01	01	01	
	- திருவிழாநந்திக் கலம்பகம்	05		3433	1 13 10 10	
	- வீரம் - போர்	03				
	பரணி - சதகம் இந்திரசாலம்	03				17-10
	இராசபாரம்பரியம்	03				
3	சோழமண்டலசதகம்	03		TRUE !		
3		04	01	01	01	46 3
	குறம்,அந்தாதி	The last like			T. C. 7 (NA.) - 1	1 1 1 1 1 1
4	மீனாட்சியம்மைகுறம்	09				
	சரசுவதிஅந்தாதி	06		01	01	01
				100		
5	குறவஞ்சி அறிமுகம்	02		May Pa	Marie I and the	- T. B. B. C.
	திருக்குற்றாலகுறவஞ்சிசிறப்பு	31574		01	01	01
	- ഥതെഖബഥ	11				
Big !						10 11 11 11
R.						1 1,000
		60	02	05	04	02

தேர்வுவிபரம்

தோவு: 5 தோவுகள் 25 மதிப்பெண்கள்

பிரிவு அ: 10X1=10 பிரிவு ஆ: 1X5=05

பிரிவு இ: 1X10<u>=10</u>

25

Incharge Staff

Hod

Iqac Coordinator

Co-erdinator, Internal Quality Assurance Cell (IQAC) Govt. College for Women (A) Kumbakenam- 612 991

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS) -**KUMBAKONAM**

DEPARTMENT OF ENGLISH

Teaching Plan

Name(s) of the Staff: P.NITHYA

Programme:

I B.A, English Literature shift- II

Academic Year:

2018-2019

Semester:

I Semester

Course Code: ELAA1

Course Title:

Social History of England

Objectives:

> To provide the students with a basic knowledge of the political and social history of England with reference to important incidents and movements in English history.

Teaching Methodology	Distribution of hours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]	15 hours per unit (for 3 units)	45
Text Book Assignment	1 hour per unit(for 3 units)	03
Evaluation –Class Tests (CT)	1 test per unit(for 3 units)	03
Seminar/problem solving/class work(S	1 hour per unit(for3 units)	03
Group Discussion	1 hour per unit(for3 units)	03
Final Evaluation (FE)	3 hours (Rehearsal)	03
Hours per week 4 Credit	4 Total	60

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.	Morina	LINIT CONTENT		MOD	E OF	
NO HOURS		UNIT -CONTENT	L	CT/ CW	S	FE
		Unit-I				
1	8	Tudor England-The Renaissance& the Reformation	L			
2	7	Age of the Stuarts-The Civil War	L			
		Unit-II				
3	5	Restoration England	L			
4	5	The Age of Queen Anne	L			
5	5	The Agrarian Revolution	L			
		Unit – III				
6	5	The Industrial Revolution	L			
7	5	The Effect of French Revolution	L			
8	5	The War of American Independence	L			
		Seminar				
1	3	UNIT-I,UNIT-II&UNIT-III			S	
		Class Test				
1	12	UNIT-I,UNIT-II&UNIT-III		СТ		
1	3					
		Text Book Assignment				
1	3 UNIT-I,UNIT-II&UNIT-III			C W		
		Group Discussion				
1	3	UNIT-I,UNIT-II&UNIT-III		C W		
		Final Evaluation (FE)				
1	3	Entire course				FE
	Aug T		P. NÍ	thia	-	

Signature of the Staff Member(s)

Internal Quality Assurance Cell (IQAC)

Gevt. College for Wemen (A)

Kumbakenam- 612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF ENGLISH

Teaching Plan

Name(s) of the Staff: Mrs.M.MUTHULAKSHMI

, Programme:

I M.A ENGLISH

Academic Year:

2018-2019

Semester:

I semester

Course Code: P18ELC103

Course Title: MODERN LITERATURE - II

Objectives:

To expose students a wide range of literary texts, literary history and literary criticism

Distribution of hours /Unit	Total Hours
Sist ibution of hours, oint	of Instruction
15 hrs per unit (for 5 units)	75
1 hrs (for 5 units)	05
1 hour per unit(for 5 units)	05
5 hrs (Rehearsal)	05
5 Total	90
	1 hrs (for 5 units) 1 hour per unit(for 5 units) 5 hrs (Rehearsal)

Hours per week	Total Hours of Instruction		
6	90		
5	75		
4	60		
2	30		

			M	OD	E OF	TEAC	HING
SL.NO HOUR		UNIT -CONTENT	L		СТ	S	FI
		Unit-I				,	
1	4	Plato : The Republic	L				
2	5	Aristotle: On Poetics	L				
3	3	Horace : The Art of Poetry	L				
1	3	Longinus : On the Sublime	L				
		Unit-II					
5	15	Apology For Poetry	L	T			
		Unit – III					
		Unit – 111					
	7	1	L			,	
		John Dryden : An Essay on Dramatic Poesie				,	
	7 8	John Dryden : An Essay on Dramatic Poesie Dr.Johnson : Preface to Shakespeare	L			,	
		John Dryden : An Essay on Dramatic Poesie				,	
		John Dryden : An Essay on Dramatic Poesie Dr.Johnson : Preface to Shakespeare					
	8	John Dryden : An Essay on Dramatic Poesie Dr.Johnson : Preface to Shakespeare Unit – IV William Wordsworth : Preface to the Lyrical	L				
	8	John Dryden : An Essay on Dramatic Poesie Dr.Johnson : Preface to Shakespeare Unit – IV William Wordsworth : Preface to the Lyrical Ballads	L				
	8	John Dryden : An Essay on Dramatic Poesie Dr.Johnson : Preface to Shakespeare Unit – IV William Wordsworth : Preface to the Lyrical Ballads S.T.Coleridge : Biographia Literaria (Chapter iv)	L				
	8	John Dryden : An Essay on Dramatic Poesie Dr.Johnson : Preface to Shakespeare Unit – IV William Wordsworth : Preface to the Lyrical Ballads S.T.Coleridge : Biographia Literaria (Chapter iv) Unit – V	L				

·

		Seminar		
				10
		UNIT-I		
1	1	Longinus : On the Sublime		S
2	1	UNIT-II		S
		Sidney's Apology for Poetry Summary		
3	1	UNIT-III		S
		An Essay of Dramatic Poetry summary		,
4	1	Preface to Lyrical Ballads Summary		S
5	1	UNIT-V		S
		The Study of Poetry Summary		
		Class Test		
1	5	UNIT I-UNIT V	СТ	
		Final Evaluation (FE)		
		1		
1	5	Entire course		FE

Signature of the Staff Member(s)

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Gevt. College for Women (A)
Kumbakenam- 612 001



POST GRADUATE AND RESEARCH DEPARTMENT OF ENGLISH

Teaching Plan

Name(s) of the Staff: Mrs.M.MUTHULAKSHMI

Programme:

II M.A ENGLISH

Academic Year:

2018-2019

Semester:

III semester

Course Code: PELCC09

Course Title: DIASPORIC LITERATURE

Objectives:

To expose students a wide range of literary texts, literary history and literary grain icism

Teaching Methodology		Distribution of hours/Unit		Total Hours of Instruction	
Traditional Chalk and Talk Method [L]		15 hrs per u	nit (for 5 units)	75	
Evaluation –Class Tests (CT)		1 hrs (for 5 units)		05	
Seminar/prob	Seminar/problem solving/class work(S)		1 hour per unit(for 5 units)		05
Final Evaluation (FE)		5 hrs (Rehearsal)		05	
Hrs per week	6	Credit	5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

			MODE OF TEAC			
SL.NO	HOUR	UNIT -CONTENT	L	СТ	S	FE
		Unit-I				
					11/4	
1	4	Plato : The Republic	L			
2	5	Aristotle: On Poetics	L			
3	3	Horace : The Art of Poetry	L			
4	3	Longinus : On the Sublime	L			
		Unit-II				
5	15	Apology For Poetry	L		,	
6	7	John Dryden : An Essay on Dramatic Poesie	L		1.24	
6	7	John Dryden : An Essay on Dramatic Poesie	L		1	
7	8	Dr.Johnson : Preface to Shakespeare	L			
		Unit - IV				
8	8	William Wordsworth : Preface to the Lyrical Ballads	L			
9	7	S.T.Coleridge : Biographia Literaria (Chapter iv)	L			
		Unit - V				
10	5	Matthew Arnold: The Study of Poetry	L			
11	5	T.S.Eliot : Traditional and the Individual Talent	L			
					113	

		Seminar			
		UNIT-I			
1	1	Longinus : On the Sublime		S	
2	1	UNIT-II		S	
		Sidney's Apology for Poetry Summary			
3	1	UNIT-III		S	
		An Essay of Dramatic Poetry summary			
4	1	Preface to Lyrical Ballads Summary		S	
5	1	UNIT-V		S	
		The Study of Poetry Summary			
		Class Test		,	
1	5	UNIT I-UNIT V	СТ	,	
		Final Evaluation (FE)			
1	5	Entire course		1 36	FE
				*	

Signature of the Staff Member(s)

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

Teaching Plan

Name(s) of the Staff: Mrs. A.PONNI

Programme:

B.A English

Academic Year: 2018 -2019

Semester:

III Semester

Course Code: ELCA4

Course Title: History of English Literature II

Objectives:

To make students understand the impact of literary movements on social political and religious conditions of England.

Teaching Methodology		Distribution of hours/Unit		Total Hours of Instruction	
Traditional Chalk and Talk Method [L]		10 hrs per uni	t (for 5 units)	50	
Evaluation –Class Tests (CT)		2 hr per unit (2 hr per unit (for 5 units)		
Seminar/problem	Seminar/problem solving/class work(S)		1 hour per unit(for 5 units)		05
Group discussion	Group discussion		1 hr per unit f	for 5 units	05
Final Evaluation (FE)		1 hrs (Rehear	1 hrs (Rehearsal)		
Hrs per week	5	Credit	4	Total	75

SL.N HOU		HOU LINET CONTENT		MODE OF TEACHING				
O	R	UNIT -CONTENT	L CT		S	FE		
		UNIT –I:						
1	10	The Age of Wordsworth	L					
		UNIT - II:	1					
2	10	The Age of Tennyson	L					
		The Older Poets	L					
		UNIT – III						
3	10	The Age of Hardy	L					
		UNIT – IV						
4	5	The Modern Age	L					
5	5	20 th Century Novelists	L					
		UNIT V						
6	10	Introduction to Post – modern British Literature	L					
		Seminar						
1	1	UNIT-I			S			
2	1	UNIT-II			S			
3	1	UNIT-III			S			
4	1	UNIT – IV			S			
5	1	UNIT-V			S			
		Class Test						
1	10	UNIT I-UNIT V		СТ				
		Final Evaluation (FE)						
1	10	Entire course				FE		

Signature of the Staff Member(s)

Internal Quality Assurance Gell (1040)

Gevt. College for Women (4)

Kumbakonam- 612 00)

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS) - KUMBAKONAM

DEPARTMENT OF ENGLISH

Teaching Plan

Name(s) of the Staff: P.NITHYA

III B.A, ENGLISH LITERATURE

SHIFT-2

Academic Year:

2018-2019

Semester:

Programme:

VI Semester

Course Code: ELCF12

Course Title: Women's Writing in English.

Objectives:

> To introduce students about women writers and their works.

> To enable students to learn values of literatures of different nations.

Teaching Methodology	Distribution of hours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]	13hours per unit (for 5 units)	65
Group discussion	1hour per unit (for 5units)	05
Evaluation –Class Tests (CT)	1 test per unit	05
Seminar/problem solving/class work(S)	1 hour per unit(for 5 units)	05
Assignments / peer partner learning / Dramatization (plays, skits, etc) Role playing	1 hour per unit(for 1,2,3 units) 2 hours for units 4,5	07
Final Evaluation (FE)	3 hours (Rehearsal)	03
Hours per week 6 Credit 5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

	HOLIBC	LINET CONTENT	MODE OF
S.NO	HOURS	UNIT -CONTENT	TEACHING

			L	СТ	S/A	FE
		Unit-I				
2.	6	Kathrine Mansfield : Country Women. Introduction Line by line explanation Critical Appreciation of the poem Theme of the poem Conclusion Kamala Markandaya: A Silence of Desire. Introduction Line by line explanation Critical Appreciation of the poem Theme of the poem Conclusion.	L			
3	7	Maya Angelou: Women Work. Introduction Line by line explanation Critical Appreciation of the poem Theme of the poem Conclusion. Uma Parameswaran: For Reetika Introduction Line by line explanation Critical Appreciation of the poem Theme of the poem Conclusion	L			
		Unit-II				
		Chachi Dospando : Craft as a Novalist	L			
5	6	Shashi Despande: Craft as a Novelist. Introduction Line by line explanation Critical Appreciation of the poem Theme of the poem Conclusion. Genny Lim: Winter Place. Introduction Line by line explanation Critical Appreciation of the poem Theme of the poem Conclusion				

6.	7	Rong Rong : Cliche.	L			
		Introduction				
		Line by line explanation			1000	
		Critical Appreciation of the poem			1	
		Theme of the poem				
		Conclusion.				
		Unit-III				
5	13	Prose	L			
		Virginia Woolf : A Room of one's own.				
		Unit-IV				
6	13	One Act Play	L			
		Alice Gerstenberg : Overtones.				
		Short Story				
		Katherine Susannah Prichard : Grey House.				
		Unit-V				
		NY 1	L			
7	13	Nayantara Sahgal : The Day in Shadow.				
		Doris Lessing: The Grass is Singing.				_
7	7	Assignment			A	
1	/	UNIT-I to UNIT- V				
		ONIT TO CLUE				
		Seminar &Group Discussion				
					S	
1	10	UNIT-I to UNIT- V				14
					12	
		Class Test				
1	6	UNIT-I to UNIT-V		CT		
*						
					-	
					76.80	
		Final Evaluation (FE)				
	3	Entire course				FE
-						

No.

Head of the Department

(Burny:

Signature of the Staff Member(s)

Internal Quality Assurance Cell (IUAC)
Govt. College for Women (A)
Kumbakenam- 612 001

DEPARTMENT OF ENGLISH

Teaching Plan

Name(s) of the Staff: C.TAMILARASI

Programme:

II M.A English Literature

Academic Year:

2018-2019

Semester:

IV semester

Course Code: P18ELC413

Course Title: Translation: Theory and Practice.

Objectives: To enhance the employability of the learners as translators

Teaching Met	hodology		Distribution	of hours/Unit	Total Hours of Instruction
Traditional Cl	nalk and T	Talk Method [L]	14 hrs per ur	nit (for 5 units)	70
ICT Enabled I	ectures [ij			
Practical Dem	onstratio	n[P]			
Tutorial (T)			1 hour per ur	nit(for 2 units)	02
Field visit (FV)					
Group discuss	ion				
Evaluation -Cl	ass Tests	(CT)	5 test per uni	t	05
Seminar/prob	lem solvii	ng/class work(S)	2 hour per un	nit(for 5 units)	10
Final Evaluation	n (FE)		3 hrs (Rehear	rsal)	03
Hrs per week	6	Credit	5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.NO	HOUR	UNIT -CONTENT			DE OF	
SELITO			L	CT	S	FE
		Unit-I				
1	13	A Brief History of Translation and Translation Theory, Aspects of Translation Theory	L			
		Unit-II				
2	15	Types of Translation Procedure,	L			
		Communicative and Semantic Translation				
		Unit – III				
03	13	Translation Procedures, Translation Process and Synonymy, Translation and the Meta Lingual Function of Translation	L			
	77	Unit – IV				
04	13	Linguistics and Translation, Theories of Translation, Equivalence in Translation, Problems in Translation – Untranslatability	L			
		Unit - V				
04	13	Translation Practice in Tamil and English – Proverbs and Prose Passages	L			
		Seminar				
1	2	UNIT-I Aspects of Translation Theory			S	
2	2				S	
3	2	UNIT-III Translation Process and Synonymy			S	

4	2	UNIT - IV Untranslatability	S
5	2	UNIT –V Proverbs and Prose Passages	S
		Class Test	
1	5	UNIT I- &UNIT V	СТ
		Final Evaluation (FE)	
1	3	Entire course	FE

Signature of the Staff Member(s)

Internal Quality Assurance Cell (IQAC)

Gevt. College for Wemen (A)

Kumbakonam- 612 901

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS) - KUMBAKONAM

DEPARTMENT OF ENGLISH

Teaching Plan

Name(s) of the Staff: S. Bhuvaneswari

Programme:

II B. A History T/m&E/m

Academic Year:

2018-2019

Semester:

IV Semester

Course Code: 17GE4

Course Title: Communication Skills-IV

Objectives:

> To enable students understand the characterization, plot, themes, stay craft techniques in Shakespearean plays.

Teaching Methodolog	y	Distribution of hours	s/Unit	Total Hours of Instruction
Traditional Chalk and T	alk Method [L]	14 hours per unit (for	5 units)	70
Creative Writing		1 hour per unit(for 5 u	nits)	05
Evaluation Class Test	s (CT)	1 test per unit(for 5 un	its)	05
Seminar/problem solvin	g/class work(S)	1 hour per unit(for 5 u	nits)	05
Dramatization(Play, Ski	ts etc.)	2 hours for 3 unit only		02
Final Evaluation (FE)		3 hours (Rehearsal)		03
Hours per week 6	Credit	5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

HOURS	UNIT -CONTENT	L	TEA	HIN	(x
		A.d	CT/	S	FE
	*****		CW		
	Unit-I				
5	King John	L			
4	Merchant of Venice	L			
5	Julius Caesar	L			
	Unit-II				
5	As You Like It	L			
5	Hamlet	L			
4	Othello	L			
	Unit III				
5	King Lear	L			
5	Macbeth	L			
4	Cymbeline	L			
	Unit IV				100
7	Developing Hints	L			
7	Paragraph Writing	L			
	Unit V				
14	Essay Writing (Current Affairs)	L			
	Seminar				
5	UNIT-I,UNIT-II,UNIT-III,UNIT-IV&UNIT-V			S	
	Class Test				
5	UNIT-I,UNIT-II,UNIT-III,UNIT-IV&UNIT-V		CT		
	Creative Writing				
	5 5 4 7 7 7 4	Unit-II As You Like It Hamlet Unit III King Lear Macbeth Cymbeline Unit IV Developing Hints Paragraph Writing Unit V Essay Writing (Current Affairs) Seminar UNIT-I,UNIT-II,UNIT-IV&UNIT-V Class Test	Seminar L	Seminar Company Comp	S

1	5	UNIT-V - Essay Writing (Current Affairs)	CW	
		Dramatization(Play, Skits etc.	.)	
1	2	UNIT-III Only	C W	
		Final Evaluation (FE)		
1	3	Entire course		FE

Signature of the Staff Member(s

Co-ordinator
Internal Quality Assurance Cell (IOAC)
Gevt. College for Momen (A)
Kumbakenam- 612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS

Teaching Plan

Name(s) of the Staff: Mrs.P.Latha

Programme:

III B.SC., MATHEMATICS(T.M)

Academic Year:

2018-2019

Semester:

vi semester

Course Code: 17MC613

Course Title: Dynamics

Objectives:

1.To expose a basic knowledge about the Coplanar Motion, Newton's Laws of Motion.

2. To provide a knowledge about projectiles, simple Harmonic motion and Conservation of linear momentum

Teaching Method	ology		Distribution of hours/U	nit	Total Hours of Instruction
Traditional Chalk	and Talk Metho	d [L]	13 hrs per unit (for 5 un	its)	65
ICT Enabled Lect	ures [I]				
Practical Demons	tration[P]				
Tutorial (T)			1 hour per unit(for 2 uni	its)	02
Field visit (FV)					
Group discussion					05
Evaluation -Class	Tests (CT)		5 test per unit		05
Seminar/problem	solving/class w	ork(S)	1 hour per unit(for 5 units)		05
Creating awarene	ss		1 hour per unit(for 5 uni	ts)	05
Final Evaluation (FE)		3 hrs (Rehearsal)		03	
Hrs per week	6	Credit	5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

			MC	DE OF	TEACH	ING
SL.NO	HOUR	UNIT -CONTENT	L	СТ	S	FE
		Unit-I				1
1	2	Introduction	L			
2	3	Kinematics	L			
3	3	Relative velocity	L			
4	3	Acceleration	L			
5	2	Newton law of motion	L			
		Unit-II		,		•
6	2	Simple Harmonic motion	L			T
7	3	Simple pendulum	L			
8	3	projectile	L			
9	3	Projectile Time of flight, range, Maximum height	L			
10	2	Projectile up/down an inclined plane.	L			
4.2		Unit – III				
12	2	Impulsive force	L			
13	2	Conservation of linear momentum	L			
14	2	Impact of a sphere and a plane	L			
15	3	Direct and Oblique Impact of two smooth spheres	L			
16	2	Kinetic energy	L			
17	2	impulse.	L			
		Unit - IV				
18	2	Central Orbit	L			
19	3	Central force	L			
20	2	central orbit in polar and p-r coordinates	L			
21	3	Given the central orbit to find the law of force	L			

22	3	Kepler's Laws of Planetary motion	L			
		Unit - V				
23	3	Moment of Inertia of simple bodies	L			
24	3	Theorem of Parallel and Perpendicular axes	L			
25	2	Motion in two dimension	L			
26	2	Equation of motion	L			
27	3	Two dimensional motion.	L			
		Seminar				
1	1	UNIT-I Tangent and Normal theorem, Varignon's Theorem			S	
2	1	UNIT-II The path of projectile is a parabola book work			S	
3	1	UNIT -III Direct impact and oblique impact			S	
4	1	UNIT - IV Central orbit theorem and pedal equation			S	
5	1	UNIT-V Parallel axis and perpendicular axis theorem			S	
		Class Test				_
1	5	UNIT I - UNIT V		СТ		
		Final Evaluation (FE)				
1	3	Entire course				FE

5 - Doffunari Head of the Department

P. Signature of the Staff Member(s)

POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS

Teaching Plan

Name(s) of the Staff: Mrs. G.Vembarasi

Programme:

III B.Sc MATHEMATICS (T.M)

Academic Year:

2018-2019

Semester:

VI semester

Course Code: 17MC611

Course Title: Complex Analysis

Objectives:

1. To introduce the theory of complex variable which is different from analysis of real variable.

2. To learn the properties of complex valued function defined on the set of Complex numbers.

3. To introduce the concept of complex integration and its properties.

Teaching Methodo	Feaching Methodology			Unit	Total Hours of Instruction
Traditional Chalk	and Talk Meth	od [L]	13 hrs per unit (for 5 t	units)	65
ICT Enabled Lectu	ıres [I]				
Practical Demons	Practical Demonstration[P]				
Tutorial (T)			1 hour per unit(for 2 u	ınits)	02
Field visit (FV)					
Group discussion		-		05	
Evaluation –Class	Tests (CT)		5 test per unit		05
Seminar/problen	n solving/class	work(S)	1 hour per unit(for 5 u	ınits)	05
	ess about the l	atest developments ent research sector	1 hour per unit(for 5 u	units)	05
Final Evaluation	(FE)		3 hrs (Rehearsal)		03
Hrs per week	6	Credit	5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

		UNIT -CONTENT Unit-I Functions of a complex variable	MO	DE OF	TEACH	ING
SL.NO	HOUR	UNIT -CONTENT	L	JDE OF CT	S	FE
		Unit-I				
1	2	Functions of a complex variable	L .			
2	3	Limits – Theorems on Limits	L			
3	3	Continuous functions – Differentiability	L			
4	3	Cauchy – Riemann equations	L			
5	2	Analytic functions – Harmonic functions.	L			
		Unit-11				
6	2	Elementary transformations	L			
7	3 Bilinear transformations		L			
8	3	Cross radio	L			
9	3	Fixed points of Bilinear transformations	L			
10	2	Some special bilinear transformations	L			
		Unit – III	1.			
12	2	Complex integration	L			
13	2	Definite integral	L			
14	2	Cauchy's theorem	L			
15	3	Cauchy's integral formula	L .			
16	2	Higher derivatives	L			
17	2	Application of problems	L			
		Unit - IV Finite - Dimensional Spectral T	heory			
18	2	Series expansions	L			
19	3	Taylor's series	L			
20	2	Laurent's series	L			
21	3	Zeros of analytical functions	L			

22	3	Singularities	L		
		Unit - V		•	
23	3	Residues	L		
24	3	Cauchy's Residue theorem	L		
25	2	Evaluation of definite integrals – Type –I	L		
26	2	Type - II	L		
27	3	Type -III	L		
		Seminar			
1	1	UNIT-I Analytic functions – Harmonic functions		S	
2	1	UNIT-II Fixed points of Bilinear transformations		S	
3	1	UNIT -III Higher Derivities		S	
4	1	UNIT - IV Zeros of analytical functions		S	
5	1	UNIT-V Type -III		S	
		Class Test			
1	5	UNIT I - UNIT V		СТ	
		Final Evaluation (FE)			
1	3	Entire course			FE

Internal Quality Assurance Cell (104C)

Co-orthanice Cell (104C)

Kumbakonam. 612 001

Kumbakonam. 612 001

Signature of the Staff Member(s)

POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS

Teaching Plan

Name(s) of the Staff: Mrs. J.Indira

Programme:

I M.Sc MATHEMATICS

Academic Year:

2018-2019

Semester:

III semester

Course Code: P21MC208

Course Title: Partial Differential Equations

Objectives:

1. To give an in-depth knowledge of solving partial differential equations.

2. To introduce different types of second order partial differential equations.

3. The problem arising in physical phenomena widely involve partial differential equations (PDES).

Teaching Methodology	Distribution of hours	:/Unit	Total Hours	
Traditional Chalk and Talk Method [L]	13 hrs per unit (for 5	65		
ICT Enabled Lectures [I]				
Practical Demonstration[P]				
Tutorial (T)	1 hour per unit(for 2	units)	02	
Field visit (FV)				
Group discussion			05	
Evaluation –Class Tests (CT)	5 test per unit		05	
Seminar/problem solving/class work(S)	1 hour per unit(for 5 units)		05	
Creating awareness about the lates				
developments of quantum physics in curren			05	
research sector (CA)				
Final Evaluation (FE)	3 hrs (Rehearsal)		03	
Hrs per week 6 Credit	5	Total	90	
Hours per week	Total Ho	urs of Instru	ction	
6		90		
5		75		
4		60		
2		30		

SL.NO	HOUR	UNIT -CONTENT			DE OF	
			L	СТ	S	FE
		Unit-I	1			
1	2	First order P.D.E	L			
2	3	Curves and Surfaces	L			
3	3	Genesis of First order P.D.E	L			
4	3	Classification of Integrals	L			
5	2	Linear Equation of the First Order	L			
		Unit-II	1		1	1
6	2	Pfaffian Differential Equations	L			
7	3	Compatible Systems	L			
8	3	Charpit's Method	L			
9	3	Jacobi's Method	L			
10	2	Integral surfaces through a given curve	L			
		Unit – III			L	
12	2	Second order P.D.E: Genesis of second order P.D.E	L			
13	2	Classification of second order P.D.E. One - Dimensional wave Equatio	L			
14	2	Vibrations of an Infinite string	L			
15	3	Vibrations of a semi – Infinite string	L			
16	2	Vibrations of string of finite length	L			
17	2	Vibrations of string of finite length and simple problems	L			
	l	Unit – IV Linear Integral Equations				1
18	2	Vibrations of a string of finite Length (Method of separation of variables) Laplace's Equation	L			

19	3	Boundary value problems	I		1	I
			L			
20	2	Maximum and Minimum principles	L			
21	3	The Cauchy problem – The Dirichlet problem for the upper Half plane	L			
22	3	The Neumann problem for the upper Half plane	L			
		Unit - V				
23	3	The Dirichlet interior problem for a circle	L			
24	3	The Dirichlet Exterior problem for a circle				
25	2	The Neumann problem for a circle				
26	2	The Dirichlet problem for a Rectangle	L			
27	3	Harnack's Theorem – Laplace's Equation – Green's Function	L			
		Seminar				
1	1	UNIT-I Classification of Integrals			S	
2	1	UNIT-II Jacobi's Method			S	
3	1	UNIT –III Vibrations of a semi – Infinite string			S	
4	1	UNIT – IV Maximum and Minimum principles			S	
5	1	UNIT-V The Dirichlet problem for a Rectangle			S	
		Class Test			,	,
1	5	UNIT I - UNIT V		СТ		
		Final Evaluation (FE)				
1	3	Entire course				FE
					-	-

G. Roffuran' Head of the Department

Signature of the Staff Member(s)

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS

Teaching Plan

Name(s) of the Staff: Mrs.P.Latha

Programme:

III B.SC., MATHEMATICS(T.M)

Academic Year:

2018-2019

Semester:

vi semester

Course Code: 17MC613

Course Title: Dynamics

Objectives:

1.To expose a basic knowledge about the Coplanar Motion, Newton's Laws of Motion.

2. To provide a knowledge about projectiles, simple Harmonic motion and Conservation of linear momentum

Teaching Methodology			Distribution of	Distribution of hours/Unit	
Traditional Chalk a	and Talk Method	[L]	13 hrs per unit	65	
ICT Enabled Lectures [1]					
Practical Demonst	Practical Demonstration[P]				
Tutorial (T)			1 hour per unit	1 hour per unit(for 2 units)	
Field visit (FV)					
Group discussion	Group discussion				
Evaluation –Class	Tests (CT)		5 test per unit	5 test per unit	
Seminar/problem	solving/class we	ork(S)	1 hour per unit	1 hour per unit(for 5 units)	
Creating awareness			1 hour per unit	1 hour per unit(for 5 units)	
Final Evaluation (Final Evaluation (FE)			3 hrs (Rehearsal)	
Hrs per week	6	Credit	5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

	HOUR	UNIT -CONTENT	MODE OF TEA			ING
	2	Unit-1	L	СТ	S	FI
	2	Introduction				
	3	Kinematics	L			
	3	Polatica	L			-
		Relative velocity	L	-		-
	3	Acceleration				
	2	Newton law of motion	L			
		of motion	L			
		Unit-II				
	2	Simple Harmonic motion	L			
7	3	Simple pendulum	L			
		Simple pendulum	L			
8	3	projectile	L			
9	3	Projectile Time of flight, range, Maximum height	L			
10	2	Projectile up/down an inclined plane.				
			L			
12	2	Unit – III Impulsive force				
			L			
13	2	Conservation of linear momentum	L			
14	2	Impact of a sphere and a plane	L			
15	3	Direct and Oblique Impact of two smooth spheres	L			
16	2	Kinetic energy	L.			
17	2	impulse.	L			
		Unit - IV		,		
18	2	Central Orbit	L			
19	3	Central force	L			
20	2	central orbit in polar and p-r coordinates	L			
21	3	Given the central orbit to find the law of force	L			

22	3	Kepler's Laws of Planetary motion			
		tanetary motion	Ł		
		Unit - V			
23	3				
	3	Moment of Inertia of simple bodies			
24	3		L		
- '	3	Theorem of Parallel and Perpendicular axes			
25	2		L		
	2	Motion in two dimension			-
26	2		L		
	2	Equation of motion			
27	-		L		
21	3	Two dimensional motion.			-
			L		
1		Seminar			
1	1	UNIT-I		16	
		Tangent and Normal theorem, Varignon's Theorem		S	
2	1				
_	1	UNIT-II		S	+
		The path of projectile is a parabola book work			
3	1	UNIT -III			
	_	Direct impact and oblique impact		S	
4	1	UNIT - IV			
		Central orbit theorem and pedal equation		S	
5	1	UNIT-V			-
		Parallel axis and perpendicular axis theorem		S	
		Class Test			
1	5	UNIT I - UNIT V	C	Т	
		Final Evaluation (FE)			
1	3	Entire course			FE
					' '
				1	

G. Poffeeman Head of the Department

Signature of the Staff Member(s)

Co-ordinator
Internal Quality Assurance Cell (IOAC)
Govt. College for Women (A)
Kumbakonam- 612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS

Teaching Plan

Name(s) of the Staff: Dr.S.Raikumari

Programme:

1 M.Sc MATHEMATICS

Academic Year:

2018-2019

Semester:

l semester

Course Code: P17MC101

Course Title: Linear Algebra

Objectives:

1. To study Linear Transformations and its properties

2. To study the Algebra of Polynomials and Annihilating Polynomials

3. To study Invariant space and its properties

Teaching Methodology		Distribution of	Total Hours of Instruction		
Traditional Chalk and Talk Method [L]		13 hrs per unit	(for 5 units)	65	
ICT Enabled Le	ctures [I]				
Practical Demonstration[P]			·		
Tutorial (T)		1 hour per unit	1 hour per unit(for 2 units)		
Field visit (FV)					
Group discussion	n				05
Evaluation -Cla	ss Tests (CT)		5 test per unit	5 test per unit	
Seminar/proble	m solving/clas	s work(S)	1 hour per unit	1 hour per unit(for 5 units)	
Creating awareness		1 hour per unit	1 hour per unit(for 5 units)		
Final Evaluation	Final Evaluation (FE)		3 hrs (Rehearsa	3 hrs (Rehearsal)	
Hrs per week	6	Credit	5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.NO	SL.NO HOUR UNIT -CONTENT		МО	MODE OF TEACHING				
			L	СТ	S	FE		
		Unit-I						
1	2	Introduction and Basic Definition The definition and some examples	L					
2	3	Systems of linear Equations – Matrices and Elementary Row operations	L					
3	3	Row -Reduced Echelon matrices	L					
4	3	Matrix multiplication – Invertible matrices - Vector spaces	L					
5	2	Subspaces –Bases and Dimension – Coordinates.	L					
		Unit-II						
6	2	The algebra of linear transformations	L					
7	3	Isomorphism of vector spaces	L					
8	3	Representations of Linear Transformations by Matrices.	L					
9	3	Linear functional – The Double Dual	L					
10	2	The Transpose of Linear Transformation	L					
		Unit – III						
12	2	The algebra of polynomials	L					
13	2	Lagrange Interpolation – Polynomial Ideals	L					
14	2	The prime factorization of a polynomial, Commutative rings	L					
15	3	Determinant functions	L					
16	2	permutations and the uniqueness of determinants	L					
17	2	Additional properties of Determinants	L					
		Unit - IV	-					

18	2	Characteristic values	L			
19	3	Annihilating polynomials, Invariant subspaces	L			
20	2	simultaneous triangulation and simultaneous	L			
		Diagonalization				
21	3	Direct- sum	L			
22	3	Decompositions	L			
		Unit – V				
23	3	Invariant Direct sums	L			
24	3	The primary Decomposition Theorem	L			
25	2	Cyclic subspaces	L			
26	2	Cyclic Decompositions	L			
27	3	the Rational Form	Ļ			
		Seminar			,	
1	1	UNIT-I Row -Reduced Echelon matrices			S	
2	1	UNIT-II The Transpose of Linear Transformation			S	
3	1	UNIT –III Determinant functions			S	
4	1	UNIT – IV Annihilating polynomials, Invariant subspaces			S	
5	1	UNIT-V Cyclic Decompositions			S	
		Class Test				
1	5	UNIT I - UNIT V		СТ		
		Final Evaluation (FE)			•	
1	3	Entire course	,			FE

G. Pofferman Head of the Department

5. Poffermoni Signature of the Staff Member(s)

Internal Quality Assurance Celigical

POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS

Teaching Plan

Name(s) of the Staff: Dr.R.Gowri

Programme:

B.SC., MATHEMATICS(E.M)

Academic Year:

2018-2019

Semester:

v semester

Course Code: 17MC507

Course Title: ABSTRACT ALGEBRA

Objectives:

1. To study the various algebraic structures of Mathematics including sets, groups.

2. To develop the Rings, maximal and prime ideals through the concept of group.

Teaching Methodo	ology		Distribution of h	Distribution of hours/Unit	
Traditional Chalk	and Talk Method	[L]	13 hrs per unit (for 5 units)	65
ICT Enabled Lectures [1]					
Practical Demons					
Tutorial (T)		1 hour per unit(for 2 units)	02	
Field visit (FV)					
					05
Group discussion	Tosts (CT)		5 test per unit		05
Evaluation -Class		ork(S)	1 hour per unit(1 hour per unit(for 5 units)	
Seminar/problem	1 SOIVING/ Class w	JI K(3)			
Creating awarene	SS		1 hour per unit(for 5 units)	05
(FF)		3 hrs (Rehearsa	3 hrs (Rehearsal)		
Final Evaluation (Cradit	5	Total	90
Hrs per week	6	Credit			

Haura par week	Total Hours of Instruction
Hours per week	90
6	75
5	60
4	
2	30

SL.NO	NO HOUR UNIT -CONTENT	MODE OF TEACHING				
		Unit-I		СТ	S	FE
1	2	Subgroups Unit-1	Ι.		T	
			L			
2	3	Cyclic groups	L			
3	3	Order of an element	L			
4	3	Cosets	L			
5	2	Lagrange's theorem	L			
		Unit-II				
6	2	Normal subgroups	Ti	T		
			L			
7	3	Normal subgroups	L			
8	3 .	Quotient groups	L			
9	3	Isomorphisms	L			
10	2	Homomorphisms	L			
	1	Unit – III	L			
12	2	Definition and Examples	L			
13	2	Elementary Properties of rings	L			
14	2	Types of rings - Characteristics of a ring	L			
15	3	Subrings - Ideals – Quotient rings	L			
16	2	Maximal and prime ideals — Homomorphism of rings	L			
17	2	Isomorphism of rings	L			
		Unit – IV				
18	2	Definition and Examples	L			
19	3	Subspaces	L			
20	2	Linear Transformations	L			
21	3	Span of a set	L			

22	3	Linear independence	L			
		Unit - V				
23	3	Basis and Dimension	L			
24	3	Basis and Dimension	L			
25	2	Rank and Nullity	L			
26	2	Matrix of a Linear Transformation	L			
27	3	Matrix of a Linear Transformation	L			
		Seminar				
1	1	UNIT-I Order of an element			S	
2	1	UNIT-I I Cosets			S	
3	1	UNIT –III Isomorphisms			S	
4	1	UNIT - IV Linear Transformations			S	
5	1	UNIT-V Rank and Nullity			S	
		Class Test				
		UNIT I - UNIT V		СТ		
1	5					
		Final Evaluation (FE)				
1	3	Entire course				FE

G. Afferman Signature of the Staff Member(s)

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam-612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS

Teaching Plan

Name(s) of the Staff: Mrs.M.Devi

Programme:

II M.Sc MATHEMATICS

Academic Year:

2018-2019

Semester:

III semester

Course Code: P17MC312

Course Title: Differential Geometry

Objectives:

1. To help the students to understand the use of differential calculus in the field of genetics.

2. To help the students to distinguish between plane curves and space curves using differentiations.

		Distribution of hour	/TT -1.	Total Hours	
Teaching Methodology	Teaching Methodology			of Instruction	
Traditional Chalk and Talk Metho	od [L]	13 hrs per unit (for	5 units)	65	
ICT Enabled Lectures [I]					
Practical Demonstration[P]					
Tutorial (T)		1 hour per unit(for 2	2 units)	02	
Field visit (FV)					
Group discussion				05	
Evaluation -Class Tests (CT)		5 test per unit		05	
Seminar/problem solving/class v	work(S)	1 hour per unit(for 5 units)		05	
Creating awareness about developments of quantum physic research sector (CA)	the latest cs in current			05	
Final Evaluation (FE)		3 hrs (Rehearsal)		03	
	edit	5	Total	90	
Hours per week		Total Hou	ars of Instructi	on	
6	90				
5		75			
4		60			

		2		30		
SL.NO	HOUR	UNIT -CONTENT			MODE OF TEACHING	
			L	СТ	S	FE
•	2	Unit-I Space Curves				
1	2	Definition of a Space Curve — Arc length	L			
2	3	Tangent – Normal and Binormal – Curvature and Torsion	L			
3	3	Contact between curves and surfaces	L			
4	3	Tangent Surface – Involutes and Evolutes – Intrinsic Equations	L			
5	2	Fundamental Existence Theorem for space curves – Helices	L			
		Unit-II Intrinsic properties of a surface				
6	2	Definition of a Surface — curves on a Surface	L			
7	3	Surface of revolution	L			
8	3	Helicoids	L			
9	3	Metric - Direction Coefficients	L			
10	2	Families of curves.	L			
		Unit-III Geodesics	,		1	1
12	2	Geodesics	L			
13	2	Canonical Geodesic Equations	L			
14	2	Normal Property of Geodesics	L			
15	3	Normal Property of Geodesics and simple examples	L			
16	2	Existence Theorems	L			
17	2	Existence Theorems and theorems	L			
		Unit - IV		1		

18	2	Geodesic parallels				
19	3		L			\top
		Geodesic curvature				
20	2	Gauss Rope at Th	L			
		Gauss Bonnet Theorem	-	-		
21	3	Gaussian curvature	-			
		assian curvature	L	+-	-	+
22	3	surface of constant curvature				
		- moturit curvature	L		1	+
		Unit – V Non Intrinsic properties of a surface				
23	3	The second Fire I				
		The second Fundamental form	L			
24	3	Principal curvature – Lines of curvature				
		Lines of curvature	L			
25	2	Developable	-			
			L			
26	2	Developable associated with space curves and with	L		-	-
		curves on surface				
27	3	Minimal Surfaces — Ruled surfaces	L			
			-			
		Seminar				
1	1	UNIT-I			S	
		Tangent Surface – Involutes and Evolutes – Intrinsic				
		Equations				
2	1	UNIT-II	+		S	
		Metric – Direction Coefficients				
3	1	UNIT –III			S	
		Normal Property of Geodesics and simple examples				
4	1	UNIT – IV			S	
		Gaussian curvature				
5	1	UNIT-V			S	
		Minimal Surfaces — Ruled surfaces				
		Class Test				
1	5	UNIT I - UNIT V		СТ		
		Final Evaluation (FE)	1	1		L
		Timal Divardation (1 D)				

S. Roffeeman Head of the Department

Signature of the Staff Member(s)

Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001 Co-ordinator

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Teaching Plan

Name(s) of the Staff: Dr.I. Kalaiarasi

Programme: B.Sc Physics

Academic Year:

2018-2019

Semester:

Lsemester

Course Code:: 18PHC101

Course Title: CC-I PROPERTIES OF MATTER

AND SOUND Objectives:

To understand the basic principles of elasticity and bending of beams.

To understand properties of liquids and propagation of sound waves.

Teaching Meth	odology		Distribution of	Distribution of hours/Unit		
Traditional Ch	alk and Ta	lk-Method [L]	16 hrs per unit	16 hrs per unit (for 5 units)		
Evaluation -Cl	ass Tests ((CT)	5 test per unit	5 test per unit		
	rties of m	awareness about that atter and sound which day life. (CA)		ncept	02	
Final Evaluatio	n (FE)		3 hrs (Rehears	al)	03	
Hrs per week	6	Credit	5	Total	90	

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.NO	HOUR UNIT -CONTENT		MODE OF TEACHING				
			L	СТ	5	FE	
		UNIT - I: ELASTICITY					
1	3	Introduction-Stress - Strain diagram - Elastic moduli.	L				
2	3	Work done per unit volume in shearing - Relation between elastic constants .	L				
3	4	Poisson's Ratio- Expression for Poisson's ratio in terms of elastic constants.	L				
4	3	Twisting couple on a wire - Work done in twisting.	L				
5	3	Torsional Pendulum –Determination of Rigidity modulus of a wire.	L				
		UNIT - II: BENDING OF BEAMS			-1		
6	3	Bending of beams-Expression for bending moment.	L				
7	4	Cantilever - expression for depression -Young's modulus - cantilever oscillation - expression for period of oscillation.	L				
8	3	Uniform bending - expression for elevation - measurement of Young's modulus - pin and microscope.	L				
9	3	Non Uniform bending - expression for depression.	L				
10	3	Determination of Young's modulus byusing Koenig's method.	L				
	2 - 2 - 2	UNIT - III: SURFACE TENSION					
11	2	Surface tension - surface energy.	L				
12	3	Excess of pressure over curved surfaces-Variation of surface tension with temperature.	L				
13	3	Jaeger's experiment - Surface tension by capillary rise method.	L				
14	3	Low pressure - Production and measurement of low pressure.	L				
15	3	Gaede moleculer pump and its applications	L				
16	2	Kundsen's absolute gauge - Detection of leakage.	L				
		UNIT - IV: VISCOSITY					

17	3	Viscous force- Streamlined motion - Turbulent motion.	L			
18	3	Coefficient of viscosity and its Dimensions.	L			
19	3	Rate of flow of liquid in a capillary tube.	L			
20	4	Poiseuille's formula–Determination of coefficient of viscosity of liquid.	t L			
21	3	Stoke's Experiment-Terminal Velocity	L			
		UNIT - V: SOUND		1	1	
22	3	Free and damped oscillations - origin of sound - Material medium.	L			
23	3	Velocity of longitudinal waves in gases- Newton's formula for velocity of sound.	L			
24	3	Effect of pressure, temperature and density of medium- Wind and humidity on velocity of sound.	L			
25	4	Velocity of sound in water andair - Beats - Helmholtz resonator - velocity of transverse waves in strings.	L			
26	3	Reverberation time - Sabine's formula	L			
		Class Test				
1	5	UNIT I-UNIT V		СТ		
		Final Evaluation (FE)				
	1-	In .				1
1	3	Entire course		1		FE

J. Kalaiarasi Signature of the Faculty

HOD

IQAC Coordinator

Dr. R. RADHA,
Associate Professor,
Centre for Nonlinear Science(CeNSc),
PG & Research Department of Physics,
Government College for Women(Autonomous),
Kumbakonam - 612 001,

Dr.S.Venkatalakshmi.M.Sc. 11.7841.784

Head & Associate Professor 10.7841

Government College For Warn 18.184

Kumbakonam 18.1841

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Teaching Plan

Name(s) of the Staff: Dr. T. Thilagavathi

Programme: B.Sc Physics

Academic Year:

2018 - 2019

Semester:

III semester

Course Code:PHCC04

Course Title: THERMAL AND STATISTICAL

PHYSICS

Teaching Metho	odology		Distribution of hours/Unit		Total Hours of Instruction
Traditional Cha	lk and Talk M	ethod [L]	16 hrs per unit (for 5 units)		80
Evaluation -Cla	ss Tests (CT)		Class Test		05
Seminar/Proble Creating Aware	0,	,	Assignment		02
Final Evaluation		-,. 13, 11, 12	3 hrs (Rehearsal)		03
Hrs per week	6	Credit	5	Total	75

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.NO	HOUR	JR UNIT -CONTENT		MODE OF TEACHING				
			L	СТ	S	FE		
1311		Unit-I Thermodynamics						
1	3	Zeroth law of thermodynamics, First law of thermodynamics	L					
2	3	Work done in an isothermal and adiabatic processes, Heat engines	L					
3	3	Reversible and irreversible processes, isobaric, isochoric process	L					

4	3	Carnot's theorem, Second law of thermodynamics	L	
5	4	Thermodynamic scale of temperature, Maxwell's Thermod dynamical relations	L	
		Unit-II Entropy		
6	3	Entropy, Change in entropy in reversible and irreversible processes	L	
7	3	Temperature entropy diagram, Classius – Clayperon equation	L	
8	3	Enthalpy, Nernst Heat theorem	L	
9	3	Thermal conductivity, Forbe's method Lee's disc method	L	
10	4	Thermal conductivity of glass and rubber	L	
		Unit – III Low Temperature		
11	3	Joule – Thomson's effect, Porous plug experiment	L	
12	4	Liquefaction of gases (air, H2 and He), Adiabatic expansion process	L	
13	3	Adiabatic demagnification, Practical application of low temperature	L	
14	3	Refrigerating mechanism, Electrolux refrigerator	L	
15	3	Air conditioning Machine	L	
		Unit - IV Radiation		
16	3	Black body radiation, Stefan's law	L	
17	3	Boltzmann law, Blackbody, Rayleigh radiation	L	
18	3	Rayleigh Jean's law, Wein's displacement law	L	
19	3	Planck's law, Stefan's fourth power law	L	

20	4	Pyrometry, Solar Constant, Sources of solar energy	L		
		Unit V – Statistical Physics			
21	4	Phase space, Maxwell, Boltzmann distribution law	L		
22	3	Fermi Dirac distribution law, Application to electron gas	L		
23	3	Bose – Einstein distribution law	L		
24	3	Application to photon gas, Radiation laws	L		
25	3	Comparison of three statistics	L		
		Class Test			
1	1	UNIT-I First law of Thermodynamics		СТ	
2	1	UNIT-II Change in entropy in reversible Process		СТ	
3	1	UNIT-III Joule Thomson's effect		СТ	
4	1	UNIT - IV Blackbody radiation		СТ	
5	1	UNIT-V Maxwell – Boltzman distribution law		СТ	
		Assignment			
1	1	Work done in an isothermal and adiabatic process		PS	
2	1	Lee's Disc method		PS	

		Final Evaluation (FE)	
			FE
1	3	Entire course	

Signature of the Faculty

HOD

HOD IQAC Coordinator

Dr. R. RADHA,
Associate Professor.
Centre for Nonlinear Science(CeNSc).
PG & Research Department of Physics.
Government College for Women(Autonomous).
Kumbakonam 612 001

Dr.S.Venkatalaksholisi Serika II. A E Head & Associate Professional Government Course Forman III.

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Teaching Plan

Name(s) of the Staff:Dr.R.Radha

Programme:

M.Sc Physics

Academic Year:

2018-2019

Course Code:P18PHC101

Semester:

I semester

Course Title: CC 1 - CLASSICAL DYNAMICS AND

RELATIVITY Objectives:

- To introduce different formulations of classical dynamics with linear and Non-linear oscillations
- To solve any dynamical system using Lagrangian and Hamiltonian formulations.

Teaching Methodology	Distribution of hours/Unit		Total Hours of Instruction	
Traditional Chalk and Talk Method [L]	16hrs per unit (for 5 units)		30	
Evaluation -Class Tests (CT)	5 test per unit		05	
Seminar/problem solving/class work(S)	1 hour per unit(for 5 units)		01	
Ice Breaking /Creating awareness about the latest developments of quantum physics in current research sector (CA)	1 hour per unit(for 5 un	nits) (01	
Final Evaluation (FE)	3 hrs (Rehearsal)	0)3	
Hrs per week 6 Credit	5 T	'otal 9	90	

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.NO	HOUR	UNIT -CONTENT		MOD		
			L CT		S	FE
UNIT-	I: FUNDA	MENTAL PRINCIPLES AND LAGRANGIAN FORMULATION				
1	2	Mechanics of a particle and system of particles	L			
2	2					
4	2	Conservation laws	L			
3	3	Constraints ,Generalized coordinates	L			
4	3	D'Alembert's Principle	L			
5	3	Lagrange,s equation with holonomic constraints	L			
6	3	Application –Atwood's Machine,Simple pendulum				
		UNIT - II: LAGRANGIAN FORMULATION: APPLICATIO	NS			
7	2	Rigid body dynamics, Euler angles, Moment and				1.
		products of inertia	L			
8	3	Euler's equations, Symmetrical top	L			
9	3	Oscillatory Motion, Theory of small oscillations	L			
10	3	Normal modes and frequencies	L			
11	2	Two coupled harmonic oscillators, Linear triatomic molecule	L			
12	2	Wave motion, Wave equation				
13	1	Phase velocity, group velocity, Dispersion				
		UNIT - III: HAMILTON'S FORMULATION				
14	3	Hamilton's canonical equations of motion	L			
15	3	Hamiltonian Principle- Hamilton's equations from the variational principle	L			
.6	4	Principle of Least action	L			
.7	3	Canonical Transformations ,Poissons brackets	L			1
.8	3	Hamilton-Jacobi method	L			
		UNIT - IV: NONLINEAR DYNAMICS				
0 :	2					
		Dynamical systems, Mathematical implications of nonlinearity	L			

20	2	Definition and effects of nonlinearity	L			T
21	2	Regular and Chaotic motion- linear and	L			
	100	nonlinear oscillators, Phase trajectories				
22	4	Classification of fixed points and limit cycles - Period doubling bifurcation and onset of chaos in Duffing Oscillator	L			
23	3	Solitons - Derivation of cnoidal waves (solitary waves) of K-dv equation	L			
24	3	AKNS eigen value problem and derivation of K-dV, MKdV equation.	L			
		UNIT - V: RELATIVITY		-		
25	3	Limitations of Lorentz transformation, need of special theory of relativity	L			
26	3	Energy and momentum Four vectors, Minkowski' four dimensional space	L			
27	3	Lorentz transformation as rotation	L			
28	4	Minkowski's pace Lagrangian formulation in relativistic mechanics	L			
29	3	Invariance of Maxwell's equations under Lorentz transformation.	L			
	1	Seminar				
1	1	UNIT-I Generalised coordinates -D'Alembert's principle		H	S	
	17 14	Class Test				
1	5	UNIT I-UNIT V		СТ		
		Final Evaluation (FE)				
1	3	Entire course				FE

Signature of the Faculty

HOD

IQAC Coordinator

Dr.S.Venkatalakshmi.M.Sc., M.Phil., Ph.D. Head & Associate Professor in Zoology

Government College For Woman (A) Kumbakonam-612001

Dr. R. RADHA,
Associate Professor,
Centre for Nonlinear Science(CeNSc),
PG & Research Department of Physics,
Government College for Women(Autonomous),
Kumbakonam - 612 001,

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Teaching Plan

Name(s) of the Staff: Dr. U. Gnanasheela

Programme:

B.Sc Physics

Academic Year:

2018-2019

Course Code: U18PHC203

Semester:

II semester

Course Title: C C - III MECHANICS AND RELATIVITY

Objectives:

- To impart the students fundamental ideas on conservation laws, projectiles and relativity
- To understand the concept of static and dynamic nature of physical systems.

Teaching Methodology	Distribution of hours/U	nit Total Hours of Instruction
Traditional Chalk and Talk Method [L]	13hrs per unit (for 5 un	its) 65
Evaluation -Class Tests (CT)	5 test per unit	05
Seminar/problem solving/class work(S)	1 hour per unit(for 5 un	its) 01
Ice braking/Creating awareness about the latest developments of quantum physics in current research sector (CA)		its) 01
Final Evaluation (FE)	3 hrs (Rehearsal)	03
Hrs per week 5 Credit	5 Te	otal 75

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

CI NO	HOUD	LINIT CONTENT	MODE OF
SL.NO	HOUR	UNIT -CONTENT	TEACHING

			L	СТ	S	FE
		UNIT - I: DYNAMICS OF PROJECTILE, IMPULSE AND IMPAC	Т			-
2		Projectile - range of horizontal and inclined plane	L			
	3	Impulsive of force –Fundamental Principles of impact- Types of collision -Oblique impact of a smooth sphere on a fixed plane	L			
	3	Direct Impact of a two smooth spheres-Loss of K.E due to Direct Impact of a smooth spheres	L			
	3	Derivation of Oblique impact of two smooth spheres - Loss in kinetic energy due to Oblique impact .	L			
,	3	Motion of two interacting bodies and the Reduced mass derivation.	L			
		UNIT - II: DYNAMICS OF RIGID BODIES				
6	2	Kinetic energy of rotation - Theory of Compound Pendulum- Equivalent to simple pendulum	L			
7	3	Reversibility of centre of oscillation and suspension - Determination of g and radius of gyration of a bar pendulum	L			
8	3	Period of oscillation of Bifilar pendulum with and without parallel threads - Centre of mass - Velocity and acceleration of centre of mass	L			
9	3	Determination of motion of individual particles - system of variable mass –Introduction of Rocket Rocket equation.				
10	3	Conservation of linear momentum and angular momentum.	L			
		UNIT - III: GRAVITATION AND CENTRE OF GRAV				
12	2	Introduction of gravitation-Gravitational potential and field due to Spherical Shell - Gravitational Energy				
13	2	Determination of G by using Boy's method		L		
14	2	Derivation of Centre of Gravity of a Solid and Hollow Tetrahedron		L		
15	3	Centre of gravity of a solid and holl hemisphere	ow	L		

16	3	Stability –Types of Equilibrium	L			
17	2	Stability of Ship - Banking of curves.	L			
		UNIT - IV: CENTRE OF PRESSURE				
18	2	Introduction-determination of centre of pressure-Vertical rectangular lamina	L			
19	3	Vertical triangular lamina -Vertical circular lamina	L			
20	3	Atmospheric pressure - its variation with altitude- Reasons for such variation HYDRODYNAMICS-Equation of continuity	L			
21	3	Euler's equation for unidirectional flow – applications	L			
22	3	Bernoulli's theorem -Torricelli's theorem	L			
		UNIT - V: RELATIVITY				
23	3	Frame of Reference-Galilean - Newtonian relativity	L			THE STATE OF THE PARTY OF THE P
24	3	Galilean transformation Equations –The Michelson Morley experiment and its importance	L			
25	3	Einstein's postulates of special theory - Lorentz transformations and its interpretation	L			
26	2	Consequences of Lorentz transformations - Length contraction- time dilation	L			
27	3	Relativistic addition of velocities - Mass - energy equivalence - Basic ideas of general theory of relativity.	L			
		Seminar				
1	1	UNIT-I Direct Impact of a smooth spheres-Loss of K.E due to Direct Impact of a smooth spheres.			S	
		Class Test				
1	5	UNIT I-UNIT V		СТ		

		Final Evaluation (FE)	
1	12	Entire course	FE
1	3	Entire course	

HOD

Dr. R. RADHA,
Associate Professor,
Centre for Nonlinear Science(CeNSc),
PG & Research Department of Physics,
Government College for Women(Autonomous),
Kumbakonam - 612 001

Dr.S.Venkatalakshmi.M.Sc. M P. 1 Fh. 3

Head & Associate Professor was along J Government College For Woman (A) Kumbakonam 312131

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Teaching Plan

Name(s) of the Staff: Dr.S.AKILANDESWARI

Programme:

B.Sc Physics

Academic Year:

2018-2019

Semester:

IV semester

Course Code: PHCD06

Course Title:CORE-VI-Optics

Objectives:

- ☐ To understand the Phenomenon of Interference, diffraction and Polarization and their principle associated with measurement Techniques.
- ☐ To understand the working of various Optical Instruments.

Teaching Methodology	Distribution of h	ours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]	13 hrs per unit (for 5 units)	65
Evaluation -Class Tests (CT)	5 test per unit		05
Seminar(S)	1 hour per unit(f	for 5 units)	01
Creative awareness(CA)	1 hour per unit(f	for 5 units)	01
Final Evaluation (FE)	3 hrs (Rehearsal)	03
Hrs per week 5 hrs	5 credits	Total	75

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.NO	HOUR	UNIT -CONTENT			E OF	7
			L	СТ	S	FE
		Unit-I:Aberration in Lenses				
1	2	Spherical Aberration	L			

2	3	Methods of reducing Spherical Aberration	L	
3	3	Chromatic Aberration	L	
4	3	Condition for achromatism of lenses	L	
5	2	Coma- Astigmatism	L	
		Unit-II :Optical Instruments		
6	2	Ramsden's eyepiece - Hygen's eyepiece	L	
7	3	Resolving power of Prism , Grating , Telescope & Microscope	L	
8	3	Optical Fibre - Derivation of Numerical aperture	L	
9	3	Optical Fibre communication system with block diagram	L	
10	2	Fibre Optic Sensor-Temperature and Displacement Sensor	L	
		Unit - III:Interference		
11	2	Principle of Superposition - Colours of thin film	L	let'i pay
12	2	Air wedge - Brewster's fringes	L	
13	3	Michelson Interferometer - Determination of wavelength of light and difference between two wavelength of light	L	
14	2	Newton's Ring Experiment with theory	L	-
15	2	Haidenger's Fringes	L	
1.6	2	Fabry Perrot Interferometer	L	
		Unit - IV : Diffraction		-
17	2	Eromotio Pillonia - Dill		
		Fresnel's Diffraction - Diffraction at a circular aperture,Opaque Circular disk		
1.8	3	Diffraction at Straight edge , Narrow wire	L	
19	2	Fraunhofer Diffraction at a sigle slit - Double slit	L	

20	3	Grating with theory	L			
21	3	Oblique incidence - Overlapping of Spectral lines	L			
		Unit - V Polarization				
22	3	Polarization by Reflection - Refraction	L			
23	3	Principal Section - Principal Plane - Brewster's Law - Malus Law	L			
24	2	Double refraction	L			
25	2	Nicol Prism as Polariser - Azalyzer	L			
26	3	Optical Activity - Fresnel's explanation of Optical Activity	L			
		Seminar& Creative Awareness				
1	1	UNIT-I			S	
		Class Test				
1	5	UNIT I-UNIT V		СТ		
		Final Evaluation (FE)				
1	3	Entire course				FE

S. Amlanden Oan' Signature of the Faculty

HOD

IQAC Coordinator

Dr. R. RADHA,
Associate Professor,
Centre for Nonlinear Science(CeNSc),
PG & Research Department of Physics,
Government College for Women(Autonomous),
Kumbakonam - 612 001,

Dr.S.Venkatalakshmi.M.Sc., M.Phil., Ph.D.

Head & Associate Professor in Zentony

Government College For Woman, A)

Kumbakonam-613224

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Teaching Plan

Name(s) of the Staff: Dr.R.Radha

Programme: I M.Sc Physics

Academic Year: 2018-2019

Semester:

II semester

Course Code: P18PHC205

Course Title: CC- V Numerical Methods

Objectives:

• Solve the algebraic and transcendental equations using various methods.

• To impart the knowledge of Interpolation and its methods.

Teaching Methodology			Distribution	Total Hours of Instruction		
Traditional Chalk and Talk Method [L]			16hrs per un	80		
Evaluation -Cla	Evaluation –Class Tests (CT)			1 hrsper unit (for 5 units)		
Ice Breaking an	Ice Breaking and Creating awareness			Ice Breaking Creating Awareness		
Final Evaluation (FE)			3 hrs (Rehear	3 hrs (Rehearsal)		
Hrs per week	6	Credit	5	Total	90	

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.NO	HOUR UNIT -CONTENT		MODE OF TEACHING					
32.110	HOOK	UNIT -CONTENT	L	СТ	S	FE		
		Unit-I Methods of Curve Fitting						
1	3	Principle of least square methods, fitting a straight line	L					
2	3	Fitting a parabola, Experimental curves	L					

				 -	
		Problem solving methods for least square, fitting a straight	L		
	4	Problem solving methods for least square			
		line,parabola and experimental curves			
			L		
	2	Error and their types, Approximation and residuals			
	3		4		
		Problem solving methods of error and their types and	L		
	3				
		residuals			
			Signal.		
		Unit-II Solution of Algebraic and Transcendental Equat			
			L		
V	Ta	Bisection method, Newton Raphson method	12		
	3				
		Problem solving methods of Bisection and Newton Raphson	1		
	3				
		method			
		1 to the contraction	L		
3	4	Convergence of Newton Raphson method, Matrix inversion	-		
,		methods			
		methods			-
		Gauss Elimination method, Problem solving methods of	L		
9	3	Gauss Elimination metriou, Problem Soviety			
		Matrix inversion and convergence of Newton Raphson			
		methods			
		Methods			-
		Gauss seidal method , problem solving methods of gauss	L		
10	3	Gauss seldal metriou , prodicin somme			
		Elimination method and gauss seidal method			
		Unit – III Interpolation	L	1	
11	3	Newton Forward and Backward interpolation formula	-		
11	3			-	
	12	Problem solving methods of Newton forward and backward	L		
12	3				
		interpolation formula			
		the state of the s	1		
13	3	Gauss forward and backward interpolation formula			
		t 1 - 4 backware	4 1		
14	3	Problem solving methods of gauss forward and backward			
14		interpolation formula		-	-
	-	Stirling and Bessel's formula	L		
15	4	Stirling and besser s to me			
-	100			 _	
-		Unit – IV Numerical Differentiation and Integration	on		
1		OH A			
		Newton forward difference formula and Newton	L		
16	3	A CONTRACTOR OF THE PROPERTY O			
1	1	backward difference formula			
100					
		Problem solving methods of Newton forward and	L		
17	4				
		backward difference formula			
					- 4

				-
3	Numerical integration, Trapezoidal rule	L		
3	Problem solving of Trapezoidal methods Simpsons 1/3rd rule and solving problems	L		
3	Simpsons 3/8th rule and solving problems	L		
	Unit - V Numerical solution of ordinary differential equa	ations		
3	Taylor's series, Euler's method	L		
3	Modified Euler's method, problem solving methods of Taylor and Euler's methods	L		
4	Modified Euler's methods and solving problems	L		
3	Second order Rungekutta method and solving problems	L		
3	Fourth order RungeKutta methods and solving problems	L		
	Ice Breaking and Creating Awareness			
1	Ice Breaking	IB		
1	Creating awareness about higher studies/Current trends in Science & Technology	CA		
	Class Test			
5	UNIT I-UNIT V		СТ	
	Final Evaluation (FE)			
3	Entire course			FE
	3 3 3 4 3 3	3 Problem solving of Trapezoidal methods Simpsons 1/3rd rule and solving problems 3 Simpsons 3/8th rule and solving problems Unit - V Numerical solution of ordinary differential equal 3 Taylor's series, Euler's method 3 Modified Euler's method, problem solving methods of Taylor and Euler's methods 4 Modified Euler's methods and solving problems 3 Second order Rungekutta method and solving problems 3 Fourth order RungeKutta methods and solving problems 1 Ice Breaking and Creating Awareness 1 Ice Breaking 1 Creating awareness about higher studies/Current trends in Science & Technology Class Test 5 UNIT I-UNIT V Final Evaluation (FE)	3 Problem solving of Trapezoidal methods Simpsons 1/3rd rule and solving problems 3 Simpsons 3/8th rule and solving problems 4 Unit - V Numerical solution of ordinary differential equations 4 Modified Euler's method, problem solving methods of Taylor and Euler's methods 4 Modified Euler's methods and solving problems 5 Second order Rungekutta method and solving problems 6 Fourth order RungeKutta methods and solving problems 7 Ice Breaking and Creating Awareness 8 I Ice Breaking 1 Creating awareness about higher studies/Current trends in Science & Technology Class Test 8 UNIT I-UNIT V Final Evaluation (FE)	3

Signature of the Faculty

HOD

Dr. R. RADHA, Associate Professor,

Centre for Nonlinear Science(CeNSc), PG & Research Department of Physics, Severnment College for Women(Autonomous), Kumbakonam - 612 001, **IQAC Coordinator**

Dr.S.Venkatalakshmi, M.Sc., M.Phil., Fh.D. Head & Associate Profession Toology

Government College Constant College Kumbakonam Steeler

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

Teaching Plan

Name of the Staff: Dr. K. VIMALA

Programme: B.Sc.Chemistry

Academic Year:

2018 - 2019

Semester:

Lsemester

Course Code: 18CHC101

Course Title: CC-I General chemistry - I

Objectives: Basic concepts regarding periodic properties bonding concepts ionic bond, VSEPR and MO theories, Hybridization, electron displacement reactions, nomenclature of organic compounds, states of matter.

Teaching Methodology		Distribution of hours/Unit	Total Hours of Instruction
Traditional Chalk and T	alk Method [L]	15 hrs per unit (for 5 units)	75
Evaluation -Class Tests	(CT)	1 hrs (for 5 units)	05
Seminar/problem solvi	ng/class work(S)	1 hour per unit(for 5 units)	04
Creating awareness developments of Genera	about the late	1 hour per unit(for 5 units)	05
Final Evaluation (FE)		1hrs (Rehearsal)	01
Hrs per week 6	Credit	5 Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.	NO HOU	HOUR UNIT -CONTENT		MODE OF TEACHING			
			L	СТ	S	FI	
1	2	Unit-1 Inorganic chemistry	Non-Antonomic Cultures.	n - arrionideovatametro	and the second second second	e and constrained	
2	3	ionization potential	L	CALLES CONTRACTOR CONT	er den ingenigen in den ingenigen in der	est opera	
		electron affinity and electronegativity along periods and groups,	L			1944.3111.990	
3	3	Definition of ideal and non ideal solutions	L			- 12 manual # 2 m	
4	2	Concentration units molarity, molality, formality	L	and the same of the same			
5	3	Diborane structure, discussion -borax, boron nitride,					
		boron carbide and borozole	L.				
		Unit-II Inorganic chemistry					
6	2	Lattice energy and Born - Hebar cycle, Pauling and	L				
		Mulliken's scales of electronegativity					
7	3	Polarizing power and polarizability, ionic character	L		-	-	
		from electronegativity					
8	2	Transition from ionic to covalent character	L				
9	3	Shapes of simple organic molecules (BF3, BeCl2,	L				
		SiCl4, PCl5, SF6, IF7, H2O, NH3, XeF6 and Ethane)	_				
10	3	Hydrogen bonding and its types, effectson	L			-	
		properties,					
		Unit – III Organic chemistry					
2	2	Hybridization and geometry of methane, ethane molecules	L	-			
3	3,	Hybridization and geometry of ethylene, acetylene and benzene	L				
	2	Resonance, hyper conjucation and steric effects	L				
	3	Homoytic cleavage of carbon - carbon bonds	L				
	2	Heterolytic cleavage of carbon - carbon bonds	L				
	2	Free radical, carbocations, carbanions, carbenes, nitrenes and arynes their stability	L				

		Unit - IV Organic chemistry		and the second s		
18	3	IUPAC naming of aliphatic, aromatic and acyclic compounds reparation and properties of alkanes,	L			
19	3	Thermal and catalytic process of cracking, Fisher Tropsch,s and Bergius process	L			
20	2	Flash point, fire point, smoke point, knocking, octane and cetane number of petrole	L	And the second s		
21	3	Antiknocking reagents, power alcohol	L	-		
22	2	Electrophilic and free radical addition reactions with HBr, H2SO4, H2O, hydroboration, ozonolysis, hydroxylation with KMnO4, allylic substitution by NBS	L			
	-	Unit – V Physical chemistry				
23	3	The constant "R" in different units, derivation from ideal behaviour, Vander Waal's equation for real gases	L			And the second of the second o
24	3	Isotherms of real gases, critical temperature, state relation between critical and Vander Waal' constant	L			
25	2	Determination of critical volume, the law of corresponding states reduced equations of state	L			
26	2	Root mean square, average and most probable velocities, Maxwell - Boltzmann distribution of molecular velocities	L			
27	3	Collision number, meen free path and collision diameter,	L			
	•	Seminar				
1	1.	UNIT-I Factors affecting periodic properties			S	
2	1	UNIT -II Landon forces and Vander Waals forces		- 250	S	
3	1	UNIT-III Stability of intermediates			S	

1	1	UNIT – IV mechanism of free radical substitution in alkanes	Probesies and a version requeste season	THE PROPERTY OF THE PROPERTY O	5	er y konnock judicerniskenskrafte († 1
5	The experience of the experien	UNIT-V Classification, structure, properties and applications of liquid crystal	eningly of the market of the particular formation of		S	
		Class Test	up kajt gesekeren . Lusym franskrivenig abenin			
1	5	Unit i-unit v	en e than Alleman Marine y a Albania (aghad a daghag an Adda	СТ	-	3
HOTE THE ENGINEERS OF A CONSTRUCTION	The second second second second	Final Evaluation (FE)			a Lacronine parameter	
1	3	Entire course				FE

Head of the Department

Signature of the Staff Member

Co-ordinator
Internal Quality Assurance Cell (10 § C)
Govt. College for Women (A)
Kumbakenam- 612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

Teaching Plan

Name of the Staff: Dr. C. JAYANTHI

Programme:

M.SC., CHEMISTRY

Academic Year:

2018 - 2019

Semester:

Semester-III

Course Code:P21CH3MBE3:1

Course Title:

MEDICINAL CHEMISTRY

Objectives:

To learn role of chemistry in Medicinal field.

* To know about first aid, antibiotic, anesthetics and antioxidant

Teaching Methodology	Distribution of hours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]	14 hrs per unit (for 5 units)	70
Evaluation –Class Tests (CT)	7 test for 5 units)	07
Seminar/problem solving/class work(S)	1 hour per unit(for 5 units)	05
Creating awareness about the latest developments of chemical methods in current research sector (CA)	1 hour per unit(for 5 units)	05
Final Evaluation (FE)	3 hrs (Rehearsal)	03
Hrs per week 6 Credit	5 Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.	HOUR UNIT -CONTENT	Logical Control of the Control of th	MODE OF TEACHING			
NO		ONII -CONTENT	L	СТ	S	FE
		Unit-I First aid				
1	3	Definition - rules of first aid – first aid for cuts, abrasions, bruises, bleeding,	L			
2	3	Fractures, burns, fainting and poisonous bites. First box –detection hallucinogens and poisons and antidotes for poisoning	L		× 1	
3	3	Some common poison and their antidotes- Acid poisoning, alkali poisoning	L			- t
4	3	Poisoning by disinfectants, Poisoning of hallucinogens atropine.	L			
5	2. Unit	, Alcohol, Mercury poisoning -II - Indian medicinal plants and Biological role of so	L ome i	norgai	nic con	npounds
6		-II - Indian medicinal plants and Biological role of so Indian medicinal plants —Adathoda vasica,		norgai	nic con	npounds
	Unit	-II - Indian medicinal plants and Biological role of so	ome i	norgai	nic con	npounds
	Unit	Indian medicinal plants and Biological role of so Indian medicinal plants —Adathoda vasica, Ocimum sanctum, ,.	ome i	norgai	nic con	npounds
6	Unit	-II - Indian medicinal plants and Biological role of so Indian medicinal plants —Adathoda vasica, Ocimum sanctum, ,. iodine, copper ,zinc and its compounds	ome ii	norgai	nic con	npounds
6	Unit	Indian medicinal plants and Biological role of solution of the	ome ii	norgai	nic con	npounds

1	3	Unit – III - Antibiotics and Anesthe						
1	3	Antibiotics : Definition.		Γ	·	T		
Te.	- K	Chloromphenicol –properties, structure, uses, SAR (Structure activity relationships)	L					
1		TOTAL CONTROL Day 2:11!	1.0					
.2	3							
	3	Anesthetics-Definition - Characteristics	L	-	-	-		
		General anesthetics – volatile general anesthetics	L .					
12	3	chloroform preparation, properties ,advantages and						
	ш -	disadvantages	L		-			
14	3	Non-volatile general anesthetics –thiopental sodium			-	-		
		properties advantages and	L					
15	2	disadvantages						
13	2	Local anesthetics – Requisites, cocaine, procaine,	L	-				
	_	amithocaine structure, properties, advantages and disadvantages						
				<u> </u>				-
16	3						-	
16	3	Organic pharmaceutical Aids- Classification. Preservatives –.	L					
16	3	Organic pharmaceutical Aids- Classification. Preservatives –.	L	2				
16	3	Organic pharmaceutical Aids- Classification. Preservatives –. Definition, Characteristics, Benzoic acid,	L					
	~	Preservatives –.						
17	3	Preservatives –. Definition, Characteristics, Benzoic acid, Antioxidant –Definition, galic acid, propyl galate,	L					
17 18	3	Preservatives –. Definition, Characteristics, Benzoic acid, Antioxidant –Definition, galic acid, propyl galate, properties and uses	L					
17 18 19	3 3	Preservatives –. Definition, Characteristics, Benzoic acid, Antioxidant –Definition, galic acid, propyl galate, properties and uses General study of Sequestrants, emulsifying agents, Colouring, flavouring and sweetening agents. Stablizing and suspending agents, ointment bases	L					
17 18 19	3 3	Preservatives –. Definition, Characteristics, Benzoic acid, Antioxidant –Definition, galic acid, propyl galate, properties and uses General study of Sequestrants, emulsifying agents, Colouring, flavouring and sweetening agents.	L					
17 18 19	3 3	Preservatives –. Definition, Characteristics, Benzoic acid, Antioxidant –Definition, galic acid, propyl galate, properties and uses General study of Sequestrants, emulsifying agents, Colouring, flavouring and sweetening agents. Stablizing and suspending agents, ointment bases	L					
17 18 19	3 3	Preservatives –. Definition, Characteristics, Benzoic acid, Antioxidant –Definition, galic acid, propyl galate, properties and uses General study of Sequestrants, emulsifying agents, Colouring, flavouring and sweetening agents. Stablizing and suspending agents, ointment bases	L					
17 18 19	3 3	Preservatives –. Definition, Characteristics, Benzoic acid, Antioxidant –Definition, galic acid, propyl galate, properties and uses General study of Sequestrants, emulsifying agents, Colouring, flavouring and sweetening agents. Stablizing and suspending agents, ointment bases and related agents and solvents	L					
17 18 19 20	3 3 2 3	Preservatives –. Definition, Characteristics, Benzoic acid, Antioxidant –Definition, galic acid, propyl galate, properties and uses General study of Sequestrants, emulsifying agents, Colouring, flavouring and sweetening agents. Stablizing and suspending agents, ointment bases and related agents and solvents Unit – V Important drugs, Diabetes and AIDS Important drugs – Availability, uses and side	L					
17 18 19 20	3 3 2 3	Preservatives –. Definition, Characteristics, Benzoic acid, Antioxidant –Definition, galic acid, propyl galate, properties and uses General study of Sequestrants, emulsifying agents, Colouring, flavouring and sweetening agents. Stablizing and suspending agents, ointment bases and related agents and solvents Unit – V Important drugs, Diabetes and AIDS	L					

23	2	Ttetracycline, ranitidine, digoxin,	L			= 100
		verapamil,glibenclamide,cephalexin		+ ;		
24	3	Rifampicin, furosemide, phenobarbitone, nitroglycerin, captopril, theophyline	L			
25	3	Diabetes – Definition, types, control of diabetes. AIDS – causes, symptoms, prevention and treatment.	co-tri encentrari contact	e - grindruttskanden med		
		Seminar	ragical table desirable ed	and an address of the last	Pour and times price through the colors of	and the second control of the second control
1	1	UNIT-I			S	er gir. Stratter geweiter den det 3 tot die dei stratter in Augent des dazig zich des Stautes ermeiter der Auf
2	1	UNIT-II			S	trag residude medit sekelaj iĝistitis disse kilo de translatino de timbol de julio funcionista son metrali sektifora anno
3	1	UNIT-III		-	S	
4	1	UNIT - IV			5	
5	1	UNIT-V	1 1	1: 0	S	
		Class Test	,			
1	7	UNIT I-UNIT V		СТ		
		Final Evaluation (FE)				
1	3	Entire course			-	FE

Signature of the Staff Member

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. Cellege for Women (A)
Kumbakenam- 612 091

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

Teaching Plan

Name of the Staff: V. ANU

Programme:

B.Sc CHEMISTRY

Academic Year:

2018-2019

Semester:

V semester

Course Code: 18CHC507

Course Title:

INORGANIC CHEMISTRY -I

Teaching Methodology	Distribution of hours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]	13 hrs per unit (for 5 units)	65
Evaluation -Class Tests (CT)	1 hrs (for 5 units)	05
Seminar/problem solving/class work(S)	1 hour per unit (for 5 units)	05
Creating awareness about the late	st .	
developments of Numerical methods i	n 1 hour per unit (for 5 units)	05
current research sector (CA)		
Final Evaluation (FE)	3 hrs (Rehearsal)	03
Hrs per week 6 Credit	5 Total	75

Hours per week	Total Hours of Instruction		
6	90	10 V	
5	75		
4	60		
2	30		

SL.	HOUR	UNIT -CONTENT			E OF		
ИО	1 × 2 4 = 1		L	СТ	5	FE	
	· Brazil graph 14 CD particle burk at the Department	Unit-I COORDINATION COMPOUNDS	and the second	grise lateria	giologica (Janis St.	yyzyczania jak	
1	2	Types of ligands	L	H. Johnson			
2	3	IUPAC nomenclature	L	and with	je j	e jednosti kon	
3	3	Werner, Sidgwick theory	L	a magazaria consistente	<u>aping and owners</u>	G12543-07274	
4	2	Valence bond, Crystal field, molecular orbital and ligand field theories	L		Á		
5	3	Comparison – Merits and demerits	L	Anna di Anna de	Language Control Control		
North Application of String		Unit-II -	A MANAGERIAL PROPERTY.	de Consession de la conses	acija izokomi propista anaz		
6	2	Isomerism — Stability of complexes — factors affecting the stability of complexes	L	ā			
7	3	Unimolecular and bimolecular nucleophilic substitution reactions in octahedral and square planar complexes – Trans effect.	L				
8	2	Application of coordination compound Detection of potassium ions, separation of copper and cadmium ions.	L				
9	3	Estimation of nickel using DMG and aluminium using oxine. Structure of EDTA and its complexes	L				
10	3	Complexometric titrations – principles and application.	L			,,	
	1	Unit – III					
12	2	Biologically important coordination compounds – Chlorophyll, haemoglobin structure – application	L		-		
13	3	vitamin B-12 - their structure – application	L				
14	2	Metal carbonyls – Mono and poly nuclear carbonyls of Ni, Fe synthesis, reactions, structure and uses.	L			-	
15	3	Co Mn –synthesis, reactions, structure and uses.	L	7			

.6	2	Nitrosyl compounds – classification, preparation, properties	L			antalesta en estre estre e
.7	2	structure of nitrosyl chloride and sodium nitroprusside	L	isjaaliteriumitteiningi.	Alexander VIII de la constitución de la constitució	
		Unit - IV	Ludent of Washington	Local de Ola Profesión De		
8	3	Binary compounds – hydrides, borides, carbides and nitrides – classification	La	gggggggggggggggg		1 and the state of
9	3	preparation, properties and uses of compounds hydrides, borides	Ly			aj tronsil _e na udelikologi urbe
20	2	preparation, properties and uses of compounds carbides and nitrides.	L	er collection of the consent for particular		
21	3	Organometallic compounds of alkenes and	L			
22	2	structure, bonding and uses of olefine and ferrocene only	L			
		Unit – V			A	
23	3	Characteristics of precipitating agent – choice of	L	4		
24	3	precipitants – specific and selective precipitant.	L			
		Coprecipitation and post precipitation				
25	2	Precipitation from homogeneous solution. Digestion and washing of precipitate. Ignition of the precipitate. Use of sequestering agents	L			
26	2	Symmetry elements – symmetry operations	L			
27	3	mathematical group multiplication tables, point groups of simple molecules. (H2, HCl, CO2, H2O, BF3 NH3)	L			
1	1	Seminar UNIT-I Valence bond, Crystal field, molecular			S	T
1	1	orbital	-		3	,

2	1	Estimation of nickel using DMG and aluminium	aramarika kanakan ber	5
3	1	Using oxine. Structure of EDTA and its complexes		vy principagnami, a life principality
Anther Galerine	- Vanda and detector	UNIT-III Biologically important coordination compounds		5
1	1 Transferences	UNIT - IV Organometallic compounds of alkenes and cyclopentadiene - preparation	and the second	enthactain pare l'actor photos
No.	1	UNIT - V Characteristics of precipitating agent - choice of precipitants - specific and selective precipitant		6
		Class Test	and a second of the second of the second	A standard of the standard
1	5	UNIT I-UNIT V	CT	
	The state of the s	Pinal Evaluation (PE)	carrenger in historian	Augustania (William)
1	3	Entire course		FE
Lanne				

Signature of the Staff Member

Co-ordinator
Internal Quality Assurance Cell (IOAC)
Gevt. College for Women (A)
Kumbakonam- 612 001

GOVERNMENT COLLEGE FOR INCHIEN (AL KUMBAKONAM RATE OR ARE ARE AND RESEARCH DEPARTMENT OF CHEMISTRY

Teaching Plan

Name of the Staff Or Standing Many

State courses M. W. Chemistry

Academic Years

2018-2019

Consister Warmany

Course Code: PIRCHARCA

COURSE TRANSFORM TRANSFORM CHANGERY

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Streething Mersperkylden	Distribution of hours/l	Init Total Hours of Instruction
Traditional Chalk and Talk Method [L]	12hrs per unit (for 5 w	rits) 75
Evaluation - Class Tests (CT)	1 hrs (for 5 units)	05
Seminar/problem solving/class work(S)	4 hour per unit (for 5 u	nits) 05
Creating awareness about the latest developments of Numerical methods in current research sector (CA)	1 hour per unit(for 5 u	nits) 05
Final Evaluation (FE)	3 hrs (Rehearsal)	03
Hrs per week 6 Credit	5	'otal

Hours per week	Total Hours of Instruction		
Q	90		
5	A.D.		
	and the second s		
	30		

SL.NO	HOUR	UNIT -CONTENT	r Willerija jappanajarija	MOD		THE VEHICLE OF THE PARTY OF THE
		Unit-Lintroducal	L	CT	S	FE
1	2	Unit-1 Introduction to computing and networking	W mindath on bag	- I - File Admir a to be a service and	Alleg A. Mitter S. C. Street	Participation and
			l.	* WILDERSON CONTRACT	- Carlot Special and	
2	3	hardware – basic organization of a computer – CPU – main memory – secondary storage – i/o devices – software	. Calabian communication	n a hippinististaturen	MCMAGGirogen	
		devices – software sustained and storage – i/o	l.			
		devices – software system and applications of software				
					-	
3	3	high and low level languages compilers – algorithms	***************************************	and the state of t		is annual succession
		and flow charts.	L			0
4						
4	2	Introduction to networking –Computer networks –	L	and the second second	a erapentu eraktu ediri	and the state of t
5	3	Lan, WAN internet and internet – worldwide web				
	3	internet for chemists – online search of chemistry	L			art of the section is
		data bases – e-journals - search engines for				
		chemistry.				
4 : 2 : 1 : 1 : 1		Unit-II Nano chemistry			<u> </u>	
6	2					-
		- nanotechnology – molechial	L			
7	3	nanotechnology – nanomanipulator, nanotweezers, atom manipulation – nanomaterials–	ļ			
		nanomaterials—	L			
8	2	preparation of nanomaterial - plasma arcing	Ĺ			-
		method, chemical vapor deposition				
		method,electrodeposition method				
		Market Control of the				
9	3	Chemical abstracts – Subject index – author index	L			
		and formula index –				
10	3	 nanotubes – properties and uses of nanotubes, 		-		
10	3	Nano medicines, environmental applications.	L			
		Fullerenes - properties & uses.				
		Unit – III Research methodology				
12	2	Introduction to primary sources (journals and	L			
		patent), secondary sources				
13	3	(chemical abstract, Dictionary, Monographs and	L			
		Review articles),				
						1
14	2	Chemical abstracts – Subject index – author index	L			
		and formula index	, e	12	E .	8 1

popularina	months of the second second second	All distributions of programming and the state of the sta			
15	3	other indexes with examples – current contents – organization	The Continue of the Continue o	and distribute on the same	
16	2	organization examples – current contents –	L		
1.0	2	methods of using the titles and index	tari e andrese a constitue a c	Service of the Commence of the	- American della
17			L	i ja	
1/	2	preparation and presentation of research papers in journals and seminars		more pulse the control of the contro	- icherolando
College Designation of the College o	and the second of the second o	journals and seminars.	L		
		Unit - IV Green chemistry	i da sa dalipare (in gripus il latipatti mais di sett	may being trade of protession of the sale of devices before the	
18	3				
		Principles(12) - inception – scope – areas – green solvents	L	processor and the process of the second seco	
		solvents scope - areas - green			
19	3	biocatalust			
		biocatalyst and biocatalysis – synthesis of safer product.	L		
		broduct.			
20	2	Green chemistry			
2 3 +1-		Green chemistry – photochemical principles – photo	L		
		oxidation – photo degradation			
21	3	removal of hazardous chemicals from water	 _ - - - - - - - - - 		
		- The control of the	L		
22	2	cleaner production concept – implementation –	L		
		Government role .			
4		Unit – V Molecular modeling basics			
23	3				
23	3	Molecular modeling – coordinate systems –	L		
		Cartesian and internal coordinate systems			
24	3	bond lengths, bond angles and torsion angles	L		
		and torsion angles		3=	
25	2	potential energy surfaces.	L	.,	
26	2	Molecular mechanics – applications and	L		
		parameterization			
27					
27	3	advantages and limitations of force fields.	L		
	· =	Seminar			
1	1	UNIT-I Introduction to networking –		S	
		Computer networks – LAN, WAN internet			
	-	and internet – worldwide web			
2	1	UNIT-II Chemical abstracts – Subject index –		S	
	1	author index and formula index		3	
	1	UNIT-III Chemical abstracts – Subject index –		S	
		author index and formula index		3	
		author index and formula muex		-	
	1	UNIT – IV Principles(12) - inception – scope –		S	-
		areas – green solvents			
				S	
	1	UNIT-V		2	
		Molecular modeling – coordinate systems –	1 100		
		Cartesian and internal coordinate systems			

		Class Test		tiretus medicinates
1 5 UNIT I-UNIT V				
		STATE V	CT	
		Final Evaluation (FE)		
	3	Contract Contract		
		Entire course		

Con fut.

Signature of the Staff Member

Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

GOLERAMENT COLLEGE FOR WOMEN (A), KUMHAKONAM POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

Teaching Plan

Name of the Staff: Mrs.S. Vijnyalakshmi

Programme: M.Sc Chemistry

Academie Year:

Course Code: P18CH2EC2

2018-2019

Semester

Il semester

Course Title: CC-II -- Food and Nutrients

Objectives:

To impart knowledge about the Carbohydrates, Proteins and its Applications, Fats, Electrolytes and Minerals properties, Milk and Milk products, Food and Nutrients its Applications.

Teaching Methodology	Distribution of hours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]	14 hrs per unit (for 5 units)	70
Evaluation - Class Tests (CT)	7 class test (for 5 units)	07
Seminar/problem solving/class work(S)	I hour per unit(for 5 units)	05
Creating awareness about the latest developmen of Numerical methods—in current research sector (CA)		05
Final Evaluation (FE)	3 hrs (Rehearsal)	03
Hrs per week 6 Credit	5 Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	. 30

SL.N O	HOUR UNIT -CONTENT	STATE OF THE PARTY OF	MOD TEAC			
	A STATE OF THE OWN PARTY.	the Contract of State of the St	l,	CT	S	FF
STEEN STREET, WAS AND A STREET, WAS	ter after of the first of the first state of the fi	Unit-1 Carbohydrates	on onther such	to a supplementation	Accepted the Second Second	· marinopping
1	3	Classifications Carbohydrates	Property states and	high skilost to his com	physiological of	p positives
***	A CONTRACTOR OF THE PARTY OF TH	available polysaccharides	vegacione.	i podruhentenezoù	e settler krytisk kompr	L-eff (h-4+Cyrys) - E-e
and supplemental services	The second second	unavailable	L	n il anni altri in l'il apart pe	. Distriction contribution of the	g wertlighed green (
and the second second	Windows Color Science Services	carbohydrates or dietary fibres carbohydrates in diets – digestion and absorption	L,	n o Vinnage Vinter Vin der	e era Miraninasanak	a toda shajiriyind
5	3	regulation of blood glucose - insulin	Alexandra de servicio de la constanción de la co	- F	p -kommetanyyesisfyas	in the state of
ak alikusah (Hibi Pylahberum)	A commence of the original states	Unit-II Proteins	epinerkenskiet	l de prima reconstruenca de la	Lay may very consorme	111200000000000000000000000000000000000
6	2	Proteins :Sources and chemical nature	A-State Contraction of the	***************************************	g magney act page from	protessus Picho
OVERAL PRODUCTION	No. of the Control of	a volices and enemical nature	1,			
The same of the sa	3	aminoacids – nitrogen balance –	L	e estimato es espetada distri	y + Continting a State Principle of State Princip	
8	3	Factors affecting nitrogen balance – physiological needs	L		nesittemedoctina	
)	3	dietary sources – biological tests	1,	antial tax passes are applicant		ng bougary.
10	3	requirements – protein deficiency,	L	- Domest and Desires	e derman, enhant listerage.	
		Unit – III Fats, Electrolytes and Minerals	AND DESCRIPTION OF SHIP COMPANY	THE REPORT OF THE PARTY.	AND THE PARTY OF T	-estitue-days
1	2	visible lats – phospholipids - digestion and absorption – essential fatty acids deficiency	L			
2	3	dietary needs for fat salt – Na and K in the body. Water balance – Na excess	L			
3	2	K excess,. Minerals – intake – absorption – substances – assisting absorption -recommended intake – trace elements	L			
4	3	iodine – physiology – sources – prophylactic and therapeutic uses	L			
5	2	fluorosis in man – fluoride and osteroporosis	L	THE PROPERTY OF THE PROPERTY OF		
	2	opposition to fluoridation of water Pb – Hg – hazards	L			To the second se
		Unit – IV Milk and Milk products				
	J.	Composition of milk — flavor	L	Se a management of the state of		
3		physical properties of milk	L	The state of the s		
2		effect of heat on milk – pasteurisation	L	Marie (Continues (Marie) amendo (Marie)		

			L			
20	3	homgenisation – Milk Products	ner der hall har in elle berkelen um	and the same of th		
21	3	cream milk – ice cream – milk powder	L	and the same of th		
		Unit – V Food and Nutrients	-			-
22	3	Food – classification – cereals – wheat – distribution of nutrients in grain and flour – starches	L			
23	3	starches – invalid foods – sugars – syrups, nutritive properties of vegetables	L			
24	2	fruits – nutrition properties of meat, fish and oil of sea foods.	L			-
25	2	Food adulteration	L			
26	3	determination of adulterationin food products by simple qualitative test	L		-	-
		Seminar			C	
	- 1	UNIT-I adrenaline			S	
V	1	UNIT-II K deficiency			S	
		UNIT-III fluorine – prevention of dentel carriers			S	
	1	UNIT – IV aroma of milk			S	
	1	UNIT-V novel protein foods			S	
72	2.º	Class Test				
	7	UNIT I-UNIT V		СТ		
		Final Evaluation (FE)		1	1	
	3	Entire course		T		F
	5	Little course				

Signature of the Staff

Co-ordinator Internal Quality Assurance Cell (IQAC) Govt. Cellege for Wemen (A) Kumbakonam- 612 001

GOVERNMENT COLLEGE FOR WOMEN (A), KLIMBAKONAM POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

Teaching Plan

Name of the Staff: Dr.G.SRIDEVI

Programme: M.Sc Chemistry

Academic Year:

2018-2019

Semester:

Il semester

Course Code:P18CHC206

Course Title: ORGANIC CHEMISTRY II

Teaching Methodology			Distribution of hour	s/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]			13 hrs per unit (for	5 units)	65
Evaluation -Class Tests (CT)			1 hrs (for 5 units)		05
Seminar/problem solving/class work(S)			1 hour per unit(for 5 units)		05
Creating awareness about the molecules three dimensional structure in current research sector (CA)			1 hour per unit(for	5 units)	05
Final Evaluation (FE)			3 hrs (Rehearsal)		03
Hrs per week	6	Credit	5	Total	75

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SI	L.NO H	UR UNIT «CONTENT		2 14 1 12 11 12	DE OF HING	raesi.
		Will addition		GT	9	11
surjum?		Unit-LORGANIC REACTION MECHA	NIHM -I	- Continue to	Property and the con-	A sugar
	2	Types of organic reactions — Real intermediates — formation, structure and state of earbocations, earbanions, radicals, earl and nitrenes.				
2	3	Aliphatic nuceleophilic substitution $-S_H I_s$ and $S_N i$ mechanisms $-simple$ examples. Aromatic nucleophilic substitution $-S_H I_s$. Unimolecular, bimolecular and benuncehanisms.				
3	On Confidence Service	Addition to carbon-carbon and carbon-ox multiple bonds – electrophilic and nucleophi	1	. 1144-00530F	paratel (LTC+)	Transiet aut
1	2	addition — addition to conjugated sys Hydration of olefins — Hydroboration	tem. L	STANCERSON.	STATES STATES	winter
Ò	3	Elimination reactions: E1, E2, E1CB&E2 mechanisms — Pyrolytic eliminations — elimination - orientation of double bond —			and section (
to the same of the	CONT.	UNIT-II ORGANIC REACTION MECHAN	NISM -II	AL ST ST TO SEE		e service con
	2	Aliphatic electrophilic substitution - $S_{\rm E}1$, and $S_{\rm E}i$ mechanisms, electrophilic substitution with migration of double bond.			museum Maramagin aus	

7	3	Aromatic electrophilic substitution - mechanisms of nitration, halogenation and	L	compared and brightness three hands		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		sulphonation reactions. Fridel-Crafts reaction				-
		and its modifications. Influence of Cl, Mc, OIL				
		NH ₂ , NHCOCH ₃ and NO ₂ on reactivity and				
		orientation. Electrophilic substitution of				
		naphthalene – formation of two isomers –			.,, 1:	
8	2	Substituent effects – origins of Hammett	L			
		equation – principles of Hammett correlation –				
		effect of structure on reaction mechanisms				
9	3	Hammett parameters $-\sigma$ and ρ , modified forms of Hammett equation.	L			
10	3	Esterification, hydrolysis and transesterification	L			
		by acid-catalysed acyl oxygen fission				
		mechanism - explanation of the principle of			To the second	
		microscopic reversibility				
		UNIT -III STEREO CHEMISTRY -II			-	
12	2	Atropisomers: Atropisomerism of biphenyls,	L			
		allenes and spiranes . Walden inversion, asymmetric induction and asymmetric	=			
		transformation				
13	3	Atropisomers: Atropisomerism of biphenyls,	L			
	-	allenes and spiranes . Walden inversion,				
14	2	Asymmetric induction and asymmetric transformation	L		,	
	2	Regioselective synthesis – halogenation of alkanes, ambident nucleophiles,				
15		arkanes, amordent nucleophnes,	L			
16	2	Regiospecificsyntheis – reductions using Baker's yeast.	L			
17	2	Stereospecific Reaction - bromination of fumaric and maleic acid.	L			
	U	NIT - IV REAGENTS IN ORGANIC CHEMIS	STRY		- u.+	

25 26	2 2 3	Logical and illogical disconnections. Two group disconnection-1,2-, 1,3-, 1,4-, 1,5- and 1,6-dioxygenated skeletons and dicarbonyls. Retrosynthesis of some heterocycles containing two nitrogen atoms. Retrosynthetic analysis of Camphor and Reserpine Seminar	L L			
24252627	2	Two group disconnection-1,2-, 1,3-, 1,4-, 1,5- and 1,6-dioxygenated skeletons and dicarbonyls. Retrosynthesis of some heterocycles containing two nitrogen atoms. Retrosynthetic analysis of Camphor and	L.			
25		Two group disconnection-1,2-, 1,3-, 1,4-, 1,5- and 1,6-dioxygenated skeletons and dicarbonyls. Retrosynthesis of some heterocycles containing				
	2	Two group disconnection-1,2-, 1,3-, 1,4-, 1,5-	L			
24		Logical and illogical disconnections.				
	3	Disconnection of alcohols, olefins and ketones -	L			
23	3	An introduction to retrosynthesis - Synthon, Synthetic equivalent, Target molecule, Functional group interconversion - Disconnection approach - One group disconnection	L			
	UN	NIT – V ORGANIC SYNTHESIS				
22	2	Phase Transfer Catalysts – Benzyltriethylammonium halides – Crown ethers.	L	,		
		Need for protection of functional group during chemical reactions –Reagents for protection of Hydroxyl, Mercapto , Amino, Carbonyl and Carboxylic groups.	L			
20	2	OsO ₄ , DDQ, SeO ₂ , PCC	L	in de englise de englise de la		
19	3	Lithium diisopropyl amide, Trimethylsilyl iodide, dicyclohexylcarbodiimide,	Lu .		acción de la companya	hels Arpumonas
	Control of Australia Australia and Australia A	functional group transformations. Sodium borohydride, Lithium aluminium hydride, tri-n-butyl tin hydride,				
		Application of reagents in organic synthesis and	L			

1	1	UNIT-I		
2		Bredt's rule, Hofmann & Saytzeff rules.	S	
1	1	UNIT-II		
		Taft Equation	S	
3	1	UNIT-III Enantiomeric excess and		
		diastereomeric excess and	S	
4	1	LINET IV. 1515		
		UNIT - IV Lithium dimethyl cuprate.	5	;
5	1	UNIT-V Retro Diels – Alder reaction –		
		Pericyclic reactions – Aider reaction –	S	
		Class Test		
	5	UNIT I-UNIT V	СТ	
		Final Evaluation (FE)		
	3	Enting		
		Entire course		FE
	1			

G. Signature of the Staff Member

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 081

DEPARTMENT OF DEPARTMENT OF BOTANY

Teaching Plan

Name(s) of the Staff: Dr B.Bhavani

Programme: UG-BOTANY

Academic Year:

2018-2019

Semester:

V semester

Course Code:SBBH

Course Title: Bio resources and human welfare Objectives:

 Students to learn about the uses of microorganisms eg Single cell protein, Antioxidants, Vitamins, Enzyme.

2. To know about the plant sources like Coffee, Poppy, Cotton, Oil, and Rubber.

3. Understand the Traditional Medicines and their Economic Importance.

Teaching Methodology	Distribution of hours,	/Unit Total Hours of Instruction
Traditional Chalk and Talk Method [L]	13 hrs per unit (for 5	units) 65
Evaluation -Class Tests (CT)	1 hrs (for 5 units)	05
Seminar/problem solving/class work(S)	1 hour per unit(for 5	units) 05
Creating awareness about the latest developments of Numerical methods in current research sector (CA)	1 hour per unit(for 5	units) 05
Final Evaluation (FE)	3 hrs (Rehearsal)	03
Hrs per week 6 Credit	5	Total 75

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

		UNIT -CONTENT	MODE OF TEACHING			
SL.NO	HOUR		L	СТ	S	FE
		Unit-I -Useful products from microorganisms				
1	2	Single cell proteins from fungi (yeast)	L			
2	3	Alage (Spirulina)	L			
3	3	Antioxidants from Dunaliellasalina	L			
4	2	Vitamins, Enzymes	L			
5	3	Antibioics and Alcohol	L			
	1000	Unit-II- Useful products form Gymnosperms				
6	2	Useful products form Gynosperms)	L	139	200	
7	3	Wood (Pine)	L	191		
8	2	Drugs (Turpentine)	L			1
9	3	Drugs (Taxol)	L	199	188	
10	3	Drugs (Ephedrine)	L			
		Unit - III - Study of plants for the source				
12	2	Application of the following products, beverage (coffee)	L			
13	3	narcotics (poppy)	L	1120		
4	2	fiber (Cotton)	L			
.5	3	oil-seeds (sesame),	L			
6	2	latex (rubber)	L			
7	2	Economic importance	L			
		Unit - IV Importance and application area	S	1		
8	3	Biomass production - food	L			T
9	3	Bio-fertilizers	L			
0	2	Environmental Biotechnology	L	4 7 1		

21	3	Waste treatment - solid (compost)	L			
21	13000	sewage treatment (domestic sewage).	L			
22	2	sewage treatment (
		Unit - V - Traditional and economically import	ant			
23	3	Traditional and economically important	L			
24	3	Important wood plant species of India.	L			
25	2	Economically important wood plant species of India. Acacia, Albizjia,	L			
26	2 .	Economically important wood plant species of India. Bambusa, Dalberigia.	L			
27	3	Economically important wood plant species of Terminalia	L			
		Seminar	10110			
1	1	UNIT-I Vitamins			5	
2	1	UNIT-II Useful products form Gynosperms)			S	
3	1	UNIT-III Plants for the source and application of the following products			S	
4	1	UNIT - IV Bio-fertilizers use			S	
5	1	UNIT-V Traditional and economically important plant species of India.			5	
102		Class Test				
		I		CT		
100	5	UNIT I-UNIT V		СТ		
	77.5	Final Evaluation (FE)	1000			
BLAG .	3	Entire course	City.	1-	22	FE

Gaskaunishnan Head of the Department

Signature of the Staff Member

IRAC coordinator

Internal Quality Assurance Cell (IQAC)
Gevt. College for Women (A)
Kumbakonam- 612 001

DEPARTMENT OF DEPARTMENT OF BOTANY

Teaching Plan

Name(s) of the Staff: Dr B.Bhavani

Programme: UG-BOTANY

Academic Year:

2018-2019

Semester:

V semester

Course Code: 18BOC508

Course Title: GENETICS, BIOSTATISTICS AND EVOLUTION

Objectives:

1. To study Mendelian genetics, recombination of chromosomes, structure and function of genes and their various units

To educate on mutation

3. To impart knowledge on biostatistics and its applications biological experiments

To understand the mechanism of evolution and study of population genetics

Teaching Met	hodology		Distribution of hours/Unit	Total Hours of Instruction	
Traditional Cl	halk and Ta	alk Method [L]	13 hrs per unit (for 5 units)	65	
Evaluation -C	lass Tests	(CT)	1 hrs (for 5 units)	05	
Seminar/prob	lem solvin	g/class work(S)	1 hour per unit(for 5 units)	05	
		about the late erical methods (CA)	in 1 hour per unit(for 5 units)	05	
Final Evaluation (FE)			3 hrs (Rehearsal)	03	
Hrs per week	6	Credit	5 Total	75	

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

		UNIT -CONTENT		MOD		
SL.NO	HOUR	ONIT CONTENT	L	CT	5	FE
		Unit-I - Mendel's laws				
1	2	Mendel's laws, Monohybrid	L			
2	3	Dihybrid, back cross and test cross	L			
3	3	Allelic interactions: Incomplete dominance	L	1 B		
4	2	co-dominance – complementary factor hypothesis	L			
5	3	Non-allelic interaction – Lethal factor, Multiple factor hypothesis	L			188
	The same of	Unit-II- Recombination				
6	2	Linkage &crossing over in Lathyrusodoratus	L	TARIS.	43	
7	3	Eye colour in <i>Drosophila</i> colour blindness in man	L.S.			
8	2	Cytoplasmic inheritance.	L	4 5 6		
9	3	Sex determination in plants and Drosophila.	L			1
10	3	Functional units of gene – cistron, recon, muton,	L			
		codon and operon concept	180	100	Tet-	
	Edward To	Unit - III - Biostatistics Definition	1		100	-
12	2	Sampling techniques: Sample	L			
13	3	Random and non – random sampling techniques	L		36	
14	2	Data - Types of data	L			
15	3	Presentation of data	L	HILL	1	
16	2	Graphical methods: Histogram,	L			
17	2	Graphical methods: Bar and Pie diagrams.	L			
	18 78	The Island for successful in a	130			
	A STATE OF THE STA	Unit - IV Mean, median and mode				

	3	Mean, median and mode	L				
	3	Measures of dispersion - range,	L				
	2	Standard Deviation	L				
	3	Standard Error	L				
	2	Correlation and its types	L	T			
		Unit - V - Evolution	100				
3	3	Evolutionary concepts - Theories of Lamarck	L				
4	3	Charles Darwin	L	t			
		Modern synthetic theories	L	1	1		
5	2		L	+		1000	
6	2	Population general	L	H			
7	3	Factors affecting gene frequencies.					
		Seminar	7			5	
1	1	UNIT-I Vitamins	1		44	3	
2	1	UNIT-II Useful products form Gynosperms)	1			5	
-			-111			5	
3	1	UNIT-III Plants for the source and application of the following products					
4	1	UNIT - IV Bio-fertilizers use	-11			S	
5	1	UNIT-V Traditional and economically important plant species of India.			331.	S	10
		Class Test					13
1	5	UNIT I-UNIT V			CT		
		Final Evaluation (FE)	1000				
1	3	Entire course		100	1	18	F

County.

Signature of the Staff Member

IRAC COORDINATOR

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. Cellege for Wemen (A)
Kumbakonam- 612 001

DEPARTMENT OF BOTANY

Name(s) of the Staff: Mrs. B.Bhavani

Programme:

B.Sc Botany

Academic Year:

2018-2019

Semester:

V semester

Course Code: U21BOC511

Course Title: Morphology, Taxonomy and Economic Botany

Teaching Methodology	Distribution of hours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]	12 hrs per unit (for 5 units)	60
Evaluation –Class Tests (CT)	5 test per unit	05
Seminar/problem solving/class work(S)	5 test per unit	05
Final Evaluation (FE)	5 hrs (Rehearsal)	05
Hrs per week 6 Total	5 Total	90

Hours per week	Total Hours of Instruction					
Hours per week		90				
5	121	75				
4	42 hs pe	60				
2	5 cer ser	30				

SL.NO	HOUR	HOUR UNIT -CONTENT		MODE OF TEACHING		
SL.NO	HOUR			CT	S	FE
	-	Unit-I				
1	2	Morphology: vegetative, floral and fruit parts	L			
2	3	Inflorescence – Types – racemose, cymose, mixed and special types.	L			
3	3	Fruit - simple, fleshy, dry dehiscent	L	1398		
4	2	Dry indehiscent,	L		333	
5	3	Aregate and multiple fruits.	L	199		
			100	0.04-00	371-3	
		Unit-II				
6	2	Binomial nomenclature – ICBN rules – taxonomic types.	L			
7	3	Systems of Classification – Bentham and Hooker classification – Merits and demerits.	L			
8	2	Phylogenetic classification – anatomical, embryological	L			
9	3	Biochemical and palynological eveidence for taxonomy, numerical taxonomy,	L			
10	3	Herbarium techniques.	L			
Mary B		The Art				
12	2	Unit - III A detailed study of the following families with	1 1 11 11	rigin,		
	2000	their economic importance	L			
13	3	Annonaceae, Capparidaceae,	L			
14	2	Tiliaceae, Rutaceae,	L	200		
15	3	Anacardiaceae, Leguminosae	L			
16	2	(Papilionaceae, Cesalpinaceae and Mimosaceae)	L			
17	2	Economic Cucurbitaceae.	L			

		Unit - IV				
		Cake following families with				
8	3	A detailed study of the following families with their economic importance	100			
9	3	Rubiaceae, Asteraceae,				
0	2	Apocynaceae, Asclepiadaceae	4			
1	3	Solanaceae, Verbenaceae,	4			
2	2	Euphorbiaceae, Orchidaceae and Poaceae,	L			
		Unit - V				
23	3	Economic Botany: A brief study of the following economically important plants:				
24	3	Food - Cereals (Oryza sativa, Eleusinecoracana); Pulses - Black gram (Phaseolusmungo),	L			
25	2	Edible – Gingelly oil (Sesamumindicum); Root tu Tapioca (Manihotesculenta); Sugar – Sug (Saccharumofficinarum).	L			
26	2	Fibres - Textiles (Gossypium); Others- Crot. Agave.	L			
27	3	Medicinal Plants – Ocimum, Phyllanthus, Solanum Forest Products – Timber: Teak (Tectonagrandis) (Artocarpusheterophyllus). Tannins, Gums, F Turpentine.	L			
1		Seminar				
1	1	UNIT-I Inflorescence – Types – racemose, cymose, mixed and special types.			S	
2	1	UNIT-II Systems of Classification – Bentham and Hooker classification – Merits and demerits.		111	S	

3	1	UNIT-III A detailed study of the following families with their economic importance	S
4	1	UNIT - IV Economic importance Rubiaceae, Asteraceae,	S
5	1	UNIT-V Food – Cereals (<i>Oryza sativa</i> , Eleusinecoracana); Pulses – Black gram (<i>Phaseolusmungo</i>),	S
		Class Test	
1	5	UNIT I-UNIT V	СТ
	1	Final Evaluation (FE)	
1	3	Entire course	FE

Signature of the Staff Member(s)

IQAC coodinator

Co-ordinator
Internal Quality Assurance CollidoxC)
Govt. College for Women (A)

Kumbakonam-612 901

DEPARTMENT OF BOTANY

Name(s) of the Staff: Mrs. C.MAHESHWARI

Programme:

B.Sc Botany

Academic Year:

2018-2019

Semester:

III semester

Course Code: U21BOC305

Course Title: Bryophyes, Pteridophytes,

Gymnosperms and Paleobotany

Teaching Methodology			Distribution of	of hours/Unit	of Instruction
Traditional Chalk and Talk Method [L]			15 hrs per unit (for 5 units)		75
Evaluation -Cl	Evaluation -Class Tests (CT)			5 test per unit	
Seminar/problem solving/class work(S)			5 test per unit		05
Final Evaluation (FE)			5 hrs (Rehearsal)		05
Hrs per week	6	Credit	5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

		UNIT -CONTENT	MODE OF TEACHING			
SL.N O	HOUR	UNIT -CONTENT	L	СТ	S	FE
		Unit-I Bryophytes		1		
1	2	General characteristics	L			4
2	3	Classification – Liverworts (Stotler et. al., 2009), hornworts (Renzaglia et al., 2009) and Mosses (Goffinet et al., 2009);	L			
3	3	Morphology, Structure,	L		1950	
4	2	Reproduction and life history of the following genera:	L			
5	3	Riccia, Marchantia, Anthoceros, Polytrichum and Funaria.	L			-2-
		Unit-II Pteridophytes				
6	2	General characteristics and classification by Smith,	L			
7	3	Morphology, Structure	L			
8	2	Reproduction and life	L			
9	3	Psilotum, Lycopodium	L			
10	3	Selaginella and Equisetum.	L			
	100000	Unit – III Pteridophytes	1		1	100
2	2	General characteristics	L			
3	3	Ecology and significance	L			
4	2	Life cycle of Rhizopus (Zygomycota) Penicillium	L			
5	3	Alternaria (Ascomycota)	L		7 7 14	7 10
6	2	Puccinia, Agaricus Basidiomycota	L		1 38	

17	2	Economic importance.	L			
		Unit – IV Gymnosperms				
					-	
18	3	General characteristics and classification of Gymnosperms by Sporne;	L			
19	3	Morphology,	L			
20	2	Classification, Marsilea;	L			
21	3	structure, mode of reproduction and life- history of the following genera	L			
22	2	Cycas, Pinus and Gnetum.	L			
	10.00	Unit – V Paleobotany		1337		
23	3	Fossils and methods of fossilization –	L			
24	3	Geological time-scale – an elementary knowledge of the computation of the age of fossils –	L			
25	2	Radio-Carbon dating technique. Contributions of Birbal sahni	L			
26	2	A brief study of the following fossil plants: a) Rhynia, b) Lepidodendron,	L		36	
27	3	c) Pentoxylon and d) Williamsonia.	L			
		Seminar	-			
1	1	UNIT-I Classification – Liverworts (Stotler et. al., 2009), hornworts (Renzaglia et al., 2009) and Mosses (Goffinet et al., 2009);			S	
2	1	UNIT-II General characteristics, ecology and significance,			S	
	1	UNIT-III Economic importance.		1	S	

4	1	UNIT – IV structure, mode of reproduction and life- history of the following genera		5
5	1	UNIT-V Geological time-scale – an elementary knowledge of the computation of the age of fossils –		5
		Class Test		
1	5	UNIT I-UNIT V	СТ	
		Final Evaluation (FE)		
1	3	Entire course		FE

Signature of the Staff Member(s)

I QAC- Co-ordinator

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

DEPARTMENT OF BOTANY

Name(s) of the Staff: Mrs. C.MAHESHWARI

Programme:

B.Sc Botany

Academic Year:

2018-2019

Semester: V semester

Course Code: U21BOC511

Course Title: Morphology, Taxonomy and Economic Botany

Teaching Methodology		Distribution of ho	ours/Unit	of Instruction	
Traditional Chal	lk and T	alk Method [L]	12 hrs per unit (f	or 5 units)	60
Evaluation -Class Tests (CT) Seminar/problem solving/class work(S)		5 test per unit	05		
		5 test per unit			
Final Evaluation	(FE)		5 hrs (Rehearsal)		05
Hrs per week	6	Total	5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.N	HOUR UNIT -CONTENT		193	MOD		
0	100000		L	CT	S	FE
		Unit-I	1000			
1	2	Morphology: vegetative, floral and fruit parts	L			
2	3	Inflorescence – Types – racemose, cymose, mixed and special types.	L	7 10		
3	3	Fruit - simple, fleshy, dry dehiscent	L			
4	2	Dry indehiscent,	L			100
5	3	Aregate and multiple fruits.	L	77		
		Unit-II				
6	2	Binomial nomenclature – ICBN rules – taxonomic types.	L			
7	3	Systems of Classification – Bentham and Hooker classification – Merits and demerits.	L			
8	2	Phylogenetic classification – anatomical, embryological	L			
9	3	Biochemical and palynological eveidence for taxonomy, numerical taxonomy,	L		14	
10	3	Herbarium techniques.	l			
Part I		Unit – III			150	
12	2	A detailed study of the following families with their economic importance	L			
13	3	Annonaceae, Capparidaceae,	L			
14	2	Tiliaceae, Rutaceae,	L			
15	3	Anacardiaceae, Leguminosae	L			
16	2	(Papilionaceae, Cesalpinaceae and Mimosaceae)	L			Ed.

7	2	Economic Cucurbitaceae.	L
		Unit – IV	
18	3	A detailed study of the following families with their economic importance	L
19	3	Rubiaceae, Asteraceae,	L
20	2	Apocynaceae, Asclepiadaceae	L
21	3	Solanaceae, Verbenaceae,	L
22	2	Euphorbiaceae, Orchidaceae and Poaceae.	L
16.15		Unit – V	
23	3	Economic Botany: A brief study of the following economically important plants:	L
24	3	Food – Cereals (Oryza sativa, Eleusinecoracana); Pulses – Black gram (Phaseolusmungo),	L
25	2	Edible – Gingelly oil (Sesamumindicum); Root tu Tapioca (Manihotesculenta); Sugar – Sug (Saccharumofficinarum).	
26	2	Fibres - Textiles (Gossypium); Others- Crote Agave.	alaria
27	3	Medicinal Plants – Ocimum, Phyllanthus, Solanum Forest Products – Timber: Teak (Tectonagrandis) (Artocarpusheterophyllus). Tannins, Gums, F Turpentine.	, Jack
		Seminar	-
1	1	UNIT-I Inflorescence – Types – racemose, cymose, mixed and special types.	S

3 1 UNIT-III A detailed study of their economic impo	cation – Bentham and on – Merits and demerits. the following families with ortance			S	
A detailed study of their economic impo	the following families with ortance			S	1
their economic impo	the following families with ortance	100		S	
			138		139
4 1 UNIT – IV Economic importar	nce Rubiaceae, Asteraceae,			S	
5 UNIT-V Food – Cereals (Or Eleusinecoracana); (Phaseolusmungo),	vza sativa.			S	
(2 naseotusmungo),	Class Test		-		
1 5 UNIT I-UNIT V			СТ		
Fina	l Evaluation (FE)	10 22 1/2			
1 3 Entire course			-		FE

Bashalmishman Head of the Department

Signature of the Staff Member(s)

I Q AC - CO-ordinator

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Gevt. College for Women (A)
Kumbakenam- 612 001

DEPARTMENT OF BOTANY

Name(s) of the Staff: Dr. C.MAHESHWARI

Programme:

B.Sc Botany

Academic Year:

2018-2019

Semester:

IV semester

Course Code: U21BOC407

Course Title: Anatomy and Embryology and microtechque

Objectives:

Teaching Methodology			Distribution	of hours/Unit	of Instruction	
Traditional Ch	Traditional Chalk and Talk Method [L]			15 hrs per unit (for 5 units)		
Evaluation -Cl	ass Tests	(CT)	5 test per uni	05		
		g/class work(S)	5 test per uni	t	05	
Final Evaluation (FE)		5 hrs (Rehearsal)		05		
Hrs per week	5	Total	5	Total	75	

Hours per week	
6	Total Hours of Instruction
0	90
5	75
4	/3
2	60
	30

SL.N		UNIT -CONTENT		MODE OF TEACHING				
0	HOUR			CT	5	FE		
		Unit-I	4 7%			193		
1	2	Anatomy: Plant tissue	L					
2	3	Classification, Meristems, definition, differentiation, redifferentation and dedifferentation	L					
3	3	Classification of meristems- apical meristems	L	Entering to the second				
4	2	lateral meristerms intercalary meristem,	L	-				
5	3	Concepts of apical meristem theories, apical cell theory, Tunica – Corpus and Histogen theory.	L					
						_		
6	2	Epidermal tissue system	L					
6	2	Epidermal tissue system Stomatal types. Permanent tissue	L					
7	3	Stomatal types. Permanent tissue	L					
7	3	Stomatal types. Permanent tissue Parenchyma, collenchyma and sclerenchyma.	L					
7 8 9	3 2 3	Stomatal types. Permanent tissue Parenchyma, collenchyma and sclerenchyma. Complex Permanent Tissues: Phloem – Components, Ontogeny and	L					
7 8 9	3 2 3	Stomatal types. Permanent tissue Parenchyma, collenchyma and sclerenchyma. Complex Permanent Tissues: Phloem – Components, Ontogeny and Phylogeny. Laticifer types. Unit – III Primary structure of root, stem and leaf in	L					
7 8 9	3 2 3	Stomatal types. Permanent tissue Parenchyma, collenchyma and sclerenchyma. Complex Permanent Tissues: Phloem – Components, Ontogeny and Phylogeny. Laticifer types. Unit – III	L					
7 8 9	3 2 3 3	Stomatal types. Permanent tissue Parenchyma, collenchyma and sclerenchyma. Complex Permanent Tissues: Phloem – Components, Ontogeny and Phylogeny. Laticifer types. Unit – III Primary structure of root, stem and leaf in dicots and monocots. Normal Secondary growth in stem and root-						

16	2	Nyctanthes and Boerhaavia and monocot stem	L		
17	2	Dracaena.Nodal anatomy – uni and trilacunar types.	L		
		Unit - IV Plant Protection and Disease manager	nent		
18	3	Embryology – Structure and development of anther.	L		
19	3	Microsporogenesis; Microgametogenesis	L		
20	2	Ultrastructure of pollen wall -	L		
21	3	structure, development and types of ovules, megasprogenesis, Megagametogenis (<i>Polygonum</i> type of embryosac development),	L		
22	2	embryo – dicot and Monocot. Basic concepts of apomixis, apospory, Polyembryony and Parthenogenesis	L		
		Unit - V Methods of Plant Protection			
23	3	Micrometry	L		
24	3	Fixation, dehydration,	L		
25	2	Embedding, hand sectioning, microtome sectioning,	L		
26	2	Stain types, staining and mounting	L		
27	3	Preparation of double staining using saffranin and fast green	L		
		Seminar			
	1	UNIT-I Classification, Meristems, definition,		S	
	1	UNIT-II Stomatal types. Permanent tissue		S	
	1	UNIT-III Primary structure of root, stem and leaf in dicots and monocots.		S	

4	1	UNIT – IV Microsporogenesis; Microgametogenesis		S	
5	1	UNIT-V Fixation, dehydration,		5	
		Class Test		275	
1	5	UNIT II	СТ		
		Final Evaluation (FE)			

Head of the Department

Signature of the Staff Member(s)

IRAC - coordinator

Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakenam-612 661

POST GRADUATE AND RESEARCH DEPARTMENT OF ZOOLOGY (2018-2019)

Teaching Plan2018-2019-Odd Semester

Name(s) of the Staff:

Dr.D.Soumady

Programme: III-B.Sc., Zoology

Academic Year:

2018-2019

Semester:

V semester

Course Code:

18Z5EC3:1

Course Title:

Biostatistics

Objectives: To comprehend the knowledge on methods of data collection and analysis in biostatistics, measures the tendency of data and hypothesis testing of data.

Teaching Methodology	Distribution of hours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]	13 hrs per unit (for 5 units)	26
Evaluation -Class Tests (CT)	1 hrs (for 3 units)	02
Seminar/problem solving/class work(S)	Class work	02
Creating (CA)	1 hour per unit(for 5 units)	
Final Evaluation (FE)	3 hrs (Rehearsal)	
Hrs per week 2 Credit	5 Total	30

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

				MOD	E OF TE	ACHING
SL.NO	HOUR	UNIT -CONTENT	L/PPT	CT	S	FE
		Biostatistics - UNIT - III Analysis of D	ata			
1	4	Analysis of Data: Measures of central tendency – mean.	PPT			
2	4	Analysis of Data: Measures of central tendency, median.	PPT			
3	5	Analysis of Data: Measures of central tendency, mode.	L			
		Unit-V Hypothesis testing				
4	4	Hypothesis testing: Introduction to test of significance - Chi square test, ANOVA - one way.	PPT			
5	5	Students t-Test (based on mean with two samples, Testing correlation co-efficient and paired t-Test),	L			
6	4	Introduction to statistical packages – SPSS.	L			
		Class Test				
1	2	UNIT III & V		СТ		
		Final Evaluation (FE)				
1	2	Entire course			FE	

Court.

GOVT- COLLEGE FOR WOMEN.

KUMBAKONAM.

St. new)

Signature of the Staff Member(s)

TQAC- CO. ORDINATOR

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

Teaching Plan 2018-2019 -odd semester

Name(s) of the Staff:

Dr.D.SOUMADY

Programme: I-M.Sc., Zoology

Academic Year:

2018-2019

Semester: I semester

Course Code:

P18ZC101

Course title:

Functional

morphology

and

phylogeny

of

Invertebrates and Chordates

Objectives: 1. To imbibe current knowledge on the structure and functional morphology of invertebrates and chordates. 2. To learn the origin and evolution of invertebrates and chordates

				Unit-II	-/		3	12
SL.NO	HOUR		UNIT -CONT	ENT	L/PP		OF TEAC	HING
		2				30		
	Milit	4				60		
		5				75		
		6				90		
		Hours per v	week		Total Hou	irs of Ins	truction	
Hrs per	week	3	Credit	5		Γotal	39	
Final Ev	valuation	n (FE)			3 hrs (Rehearsal)			
Creating	Creating (CA)		1 hour per	1 hour per unit(for 5 units)				
Seminar	/proble	m solving/	class work(S)	1 hour per	unit(for 5 u	nits)		
Evaluati	on –Cla	ss Tests (CT		1 test per u			02	
Traditio	nal Chal	k and Talk	Method [L]	15 hrs per i	unit (for 5 u	nits)	30	
Гeaching Methodology			Distribution	Distribution of hours/Unit				

	3	Excretion: Different types of excretory organs in invertebrates.	L			
	4	Nervous System:Primitive types - Coelenterates, Advanced types - Nervous system in Molluscs.	L			
3	4	Chemical Co-ordination:Endocrine glands in Crustaceans and Insects	PPT			
4	4	Pheromones and allelochemicals	PPT			
		Unit-III				
5	4	Reproduction: Pattern of sexual and asexual reproduction -	L			
6	4	Echinoderm larval forms and their phylogenic significance.				Les in un
7	4	Invertebrate Fossils: Evolutionary trends and phylogenetic importance of Trilobites, Ammonoids, Belemnoids and Nautiloids.	PPT			
8	3	Minor Phyla: Organisationand affinities of Chaetognatha, Rotifera and Phoronida	PPT			
		Seminar				
1	2	UNIT-II&, III			S	
		Class Test				
1	2	UNIT II&III		СТ	LE V	
		Final Evaluation (FE)				
1	2	Entire course				FE

Courty.

GOVT- COLLEGE FOR WOMEN.

Bainer

Signature of the Staff Member(s)

IRAC CO-ORDINATOR

Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

Teaching Plan 2018-2019 -odd semester

Name(s) of the Staff:

Dr.D.SOUMADY

Programme:

M.Sc., Zoology

Academic Year:

2018-2019

Semester:

III semester

Course Code:

P18Z3EC3

Course title: Biostatistics and Research Methodology

Objectives: 1. To understand the importance of Statistics and presentation of biological data.

3. To know the basic principles of microscopes and bio-techniques.

SL.NO	HOUR		UNIT-I		L/PPT	CT	OF T	FE FE
		2		30				
		4		60				
		5				75		
		6						
		Hours per w	eek	Total Hours of Instruction				
Hrs per	week	3	Credit	4	To	otal		54
Final E	valuation	ı (FE)		3 hrs (Rehearsa	3 hrs (Rehearsal)			03
Creating (CA)				1 hour per unit(
Semina	r/proble	m solving/c	ass work(S)	1 hour per unit(for 5 un	its)		03
Evaluat	ion –Cla	ss Tests (CT)		1 test per unit				03
Traditio	Fraditional Chalk and Talk Method [L]			15 hrs per unit	(for 5 un	its)		45
Teachin	g Metho	dology		Distribution of hours/Unit				Total Hours of Instruction

	4	organization (classification and tabulation of data)	L			
		and presentation (graphical representations) of data.				
3	4	Measures of central tendency - mean, median and mode.	PPT			
4	4	Measures of dispersion - range, inter quartile range, mean deviation, standard deviation and Standard error.	L			
		UNIT - III	<u> </u>			
1	4	Hypothesis testing, Chi-square test	PPT			
2	3	One-way Analysis of variance,	L			
3	4	Student t-test	L			
4	4	Probability theory - Normal, Binomial and Poisson distributions (theory only)	L			
		Unit-V				
1	3	Principles and their application of Electron Microscope (SEM and TEM),	PPT			
2	4	Centrifuge (Ultracentrifuge),	L			
3	4	Electrophoresis (SDS-PAGE), Chromatography (TLC, GCand HPLC)	PPT			
4	4	Spectroscopy (UV, Infrared and NMR)	L			
		Seminar				
1	3	UNIT-I & V			S	
		Class Test				
1	3	UNIT I, III & V		CT		
		Final Evaluation (FE)				
1	3	Entire course		HIN		FE

Head of the Department
TEAD OF THE DEPARTMENT OF ZOOLOGY
GOVT. COLLEGE FOR WOMEN.
KUMBAKONAM

Signature of the Staff Member(s)

Internal Quality Assurance Cell (IQAC)

Govt. College for Women (A)

Kumbakonam- 612 001

Teaching plan 2018 – 2019 (Even Semester)

Name(s) of the Staff:

Dr.D.SOUMADY

Programme: B.Sc., Zoology

Academic Year:

2018-2019

Semester:

IV

Course Code:

ZCF11

Course Title: Ecology

Objectives: To imbibe the knowledge on the Environment - their general principles, definition and scopes, which influence the living organism through ecosystem structure and components, various habitats.

Teaching Methodology				Distribution of	Distribution of hours/Unit				
Traditional Chalk and Talk Method [L]			13 hrs per unit	13 hrs per unit (for 5 units)			26		
Evalua	tion –Cla	ss Tests	(CT)	1 test per unit				02	
Semina	ır/probl	em solvii	ng/class work(S)	1 hour per unit	t(for 5 i	inits)			
Creating (CA)			1 hour per unit	1 hour per unit(for 5 units)					
Final Evaluation (FE)			3 hrs (Rehears	3 hrs (Rehearsal)					
Hrs per	r week	4	Credit	5	Total			30	
		Hours pe	er week	To	Total Hours of Instruction 90 75				
		6							
		5							
		4				60			
		2				30			
CLNO	HOUR		UNIT - I	MODE OF TEACHING					
SL.NO HOUR			L/PPT	СТ	S	FE			
				UNIT-II					
1	4	4 Ecosystem: Definition, ecolog typical ecosystem: Pond ecosys			L				

2	4	Primary production, Secondary production, food chains, food web, Trophic levels					
3	3	energy flow, pyramids of biomass and energy	L				
4	4	Biogeochemical cycles- nitrogen and phosphorus.	PPT				
		UNIT – III					
1	4	Community ecology: Types and characteristics - stratification - community interdependence	L				
2	4	Ecotone - edge effect - ecological niche - PPT ecological succession.					
3	4	Population ecology: Definition, density, natality, mortality, age distribution, age pyramids,	L				
4	3	Population growth, population equilibrium, biotic potential, dispersion and fluctuation.	L				
		Class Test					
1	2	UNIT-II & III		СТ			
		Final Evaluation (FE)					
1	2	Entire course				FE	

Court

Head of the Department

GOYT. COLLEGE FOR WOMEN-

Signature of the Staff Member(s)

JOAC-CO-ORDINATOR

Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

Teaching plan 2018 - 2019 (Even Semester)

Name(s) of the Staff:

Dr.D.SOUMADY

Programme: I-M.Sc., Zoology

Academic Year:

2018-2019

Semester:

I semester

Course Code:

PZCB07

Course title:

IMMUNOLOGY

Objectives: To invite the basic and current knowledge on the immune system, their structure and functions of immunoglobulin's, antigen – anti body reaction.

Teaching Methodology				Distribution of	Distribution of hours/Unit					
Tradi	Traditional Chalk and Talk Method [L]			15 hrs per unit	(for 5	units)	30		
Evalu	ation –Cl	ass Tests	(CT)	1 test per unit				02		
Semin	ar/prob	lem solvin	g/class work(S)	1 hour per unit	(for 5	units)				
Final l	Evaluatio	n (FE)		2 hrs (Rehearsa	ıl)			02		
Hrs per week 3 Credit			5	5 Total						
Hours per week				Tot	Total Hours of Instruction					
		6		90						
		5		75						
		4								
		2				30				
L.NO	HOUR		UNIT -CONTE	MODE OF TEACHING						
	HOOK		ONIT -CONTE	INI	L	СТ	S	FE		
				Unit-I						
	3		f immune system: Prin Secondary - Spleen, L MALT.		L					

2	4	Cells of immune system: Haematopoetic stem cells, cells of lymphoid lineage - Lymphocytes, NK cells, K cells, myeloid lineage - granulocytes, Neutrophils, Eosinophils, Accessory cells	L			
3	4	T cells: Differentiation and maturation of T cells - Positive and Negative selection, Surface markers and Receptors of mature T cells, Types of T cells (T cell subsets) and their function.				
4	4	B Lymphocytes: Surface markers, Development and maturation of B cells.	L			
		Unit III				
1	5	Antigen - Antibody reaction: Immune complex, Binding forces, Types of Antigen-antibody reactions	L			
2	5	Precipitations, Agglutinations, cytolysis, complement fixation, opsonization.	L			
3	5	Complements (Classical and Alternate pathways)Cytokines Cell mediated Immune response	L			
		Seminar				
1		UNIT-I &III			S	
		Class Test				
1	2	UNIT I & III		СТ		
		Final Evaluation (FE)				
1	2	Entire course				FE
				THE RESERVE OF THE PARTY OF THE		

Burk.

Head of the Department
TEAD OF THE DEPARTMENT OF ZOOLOGY
GOVT- COLLEGE FOR WOMEN.

KUMBAKONAM

Stipen

Signature of the Staff Member(s)

JOAC-W. ORDINATOR

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

Teaching plan 2018 - 2019 (Even Semester)

Name(s) of the Staff:

Dr.D.SOUMADY

Programme:

II-M.Sc., Zoology

Academic Year:

2018-2019

Semester:

IV

Course Code:

PZCD13

Course Title: Applied Ecology, Biodiversity and Conservation

Objectives: To learn the fundamentals of environment Components and Space ecology.

15 hrs per	on of hours unit (for 5			of Instruction	
	unit (for 5	, .			
		units)	30	
1 test per	unit			02	
1 hour per	r unit(for 5	units)			
1 hour per	1 hour per unit(for 5 units)				
2 hrs (Reh	2 hrs (Rehearsal)				
5		Total		34	
	Total Hours of Instr				
		90			
T I WE WAS		75			
	Kalina K	60			
	30				
	# 1	МО	DE OF	TEACHING	
	L	СТ	S	FE	
	1 hour per 1 hour per 2 hrs (Reh	1 hour per unit(for 5 2 hrs (Rehearsal) 5 Total Ho	1 hour per unit(for 5 units) 1 hour per unit(for 5 units) 2 hrs (Rehearsal) 5 Total Total Hours of 90 75 60 30	1 hour per unit(for 5 units) 1 hour per unit(for 5 units) 2 hrs (Rehearsal) 5 Total Total Hours of Instru 90 75 60 30 MODE OF	

1	4	Population ecology- density, natality, mortality,	L		
		distribution, growth rate.			
2	4	Population interaction, structure, dominants, stratification.	L		
3	3	Community ecology-Radioactivity, interdependence, ecotone, edge effect, niche, succession, climax.	L		
4	4	Ecosystem: concept of ecosystem-structure, types, dynamics ecological pyramids-biogeochemical cycles pond and forest as an examples of natural ecosystem.	L		
		UNIT- II			
1	5	Space ecology-space engine, artificial satellite and probes.	L		
2	5	Environmental problems of space travels, Exobiology	L		
3	5	solar system-methods for testing extra terrestrial life- environmental survey- SETI programme.	L		
	THE SECOND	Class Test			
1	2	UNIT-I &II		СТ	
		Final Evaluation (FE)			
1	2	Entire course			FE

IOUT CO. OBDINATOR

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

Opering.

Head of the Department

Signature of the Staff Member(s)

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ODD SEMESTER GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

DEPARTMENT OF ZOOLOGY

Teaching Plan

Name(s) of the Staff: Dr.V.Kavitha

Programme:

B.Sc., ZOOLOGY

Academic Year:

2018-2019

Semester:

III semester

Course Code: U20ZC305

Course Title: CELL BIOLOGY

Objectives: To understand the structure and functions of cellular organelles - their ultra structure and

applications of microscope for better understanding of molecular structure of cells.

Teaching Metho	dology		Distribution o	f hours/Unit	Total Hours of Instruction
Traditional Cha	lk and Ta	alk Method [L]	13 hrs per uni	t (for 2 units)	24
Evaluation –Cla			hrs (for 2 unit	s)	04
Seminar/probl	em solvir	ng/class work(S)	-		-
Final Evaluation (FE)			2 hrs (Rehear	sal)	02
Hrs per week	2	Credit	5	Total	30

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

		LINHT CONTENT	MODE OF TEA			HING
SL.NO	HOUR	UNIT -CONTENT	L	CT	S	FE
		Unit-I				
1	3	The cell - Definition, Cell theory , types of cells, size, shape, volume and number	L			
2	4	Detailed study of cell structure. Prokaryotic and eukaryotic cells.	PPT			
3	3	Microscopes- Compound, fluorescent and Electron.	L			
4	2	Centrifuge and Electrophoresis. Principle and applications.	L			
		Unit-II				

6	5	Plasma membrane - Ultra structure & Functions.	PPT		
,					
7	2	Cytoplasm - Composition and physicochemical properties.	L		
8	5	Golgi complex - Ultra structure and Functions.	L		
		Class Test			
1	4	UNIT I and UNIT II		СТ	
		Final Evaluation (FE)			
1	2	Entire course			FE

Court.

Head of the Department

TEAD OF THE DEPARTMENT OF ZOOLOG
GOVT- COLLEGE FOR WOMEN
KUMBAKONAM.

Signature of the Staff Member(s)

IDAC-W-OPDINATUR

Co-ordinator

Thermal Quality Assurance Cell (IQAC)

Govt. College for Women (A)

Kumbakonam- 612 001

DEPARTMENT OF ZOOLOGY

Teaching Plan

Name(s) of the Staff: Dr.V.Kavitha

Programme:

B.Sc., ZOOLOGY

Academic Year:

2018-2019

Semester:

V Semester

Course Code: U20ZC511

Course Title: ANIMAL PHYSIOLOGY

Objectives: To acquire knowledge on the structure and functions of animals - their body parts, organs and behaviour through understanding of their nutrition, respiration, circulation, excretion, endocrine system with physico - chemical coordination.

Teaching Meth	odology		Distribution o	Total Hours of Instruction		
Traditional Ch	alk and Ta	alk Method [L]	12 hrs per un	24		
Evaluation –Class Tests (CT)			2 hrs (per unit)		04	
		ng/class work(S)	-	-		
	Final Evaluation (FE)			2 hrs (Rehearsal)		
Hrs per week	2	Credit	5	Total	30	

Hours per week	Total Hours of Instruction
6	90
5	75
4	. 60
2	30

SL.NO		AD WELL CONVERNIE	MODE OF TEACHING					
	HOUR	UNIT -CONTENT	L	СТ	S	FE		
		Unit-III						
1	2	Excretion: Types of Excretion - Excretory products.	L					
2	4	Structure of Kidney and Nephron, Mechanism of Urine formation, Excretion in mammals	PPT					

3	3	Osmoregulation: Euryhaline, stenohaline, osmoregulators and Osmo conformers.	L		
4	3	Osmoregulation in freshwater and marine.	L		
		Unit-V			
6	3	Structure and functions of pituitary, thyroid and parathyroid	L		
7	3	Structure and functions of Islets of langerhans and adrenal gland	PPT		
8	3	Structure and functions of sex glands, thymus and pineal gland	L		
9	3	Reproduction: Types of reproduction — Reproduction in man - Reproductive cycle - Hormonal control.			
		Class Test			
1	4	UNIT III and UNIT V		СТ	
		Final Evaluation (FE)			
1	2	Entire course			FE

Head of the Department

HEAD OF THE DEPARTMENT OF ZOOLOG.

GOVT. COLLEGE FOR WOMEN.

KUMBAKONAM

Signature of the Staff Member(s)

IDAC-CO-ORDINATOR

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

DEPARTMENT OF ZOOLOGY

Teaching Plan

Name(s) of the Staff: Dr.V.Kavitha

Programme:

M.Sc., ZOOLOGY

Academic Year:

2018-2019

Course Code: P21ZC103

Semester:

I Semester

Course Title: GENETICS

Objectives: To make the students

1. Understand the gene concept and principles of Genetics

2. Comprehend gene interaction and their impact on genetic and phenotypic characters

3. Apprehend the microbial genetics, mutation and human genetics.

4. Gain knowledge on genetic disorders.

5. Enrich knowledge in genetic counseling.

Teaching Methodology Traditional Chalk and Talk Method [L]			Distribution o	Total Hours of Instruction		
			12 hrs per un	24		
Evaluation -Class Tests (CT)			3 hrs (for 2 units)		3	
Seminar/probl	Seminar/problem solving/class work(S)			- // -		
Final Evaluation (FE)			3 hrs (Rehearsal)		03	
Hrs per week	2	Credit	5	Total	30	

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30
	MODE OF TEACHING

SL.NO	HOLD	UNIT -CONTENT	MOI	DE OF	ГЕАС	HING
	HOUR	UNIT -CONTENT	L	CT	S	FE
7		Unit-I				

	2	Classical genetics: Mendel's laws	L		
2	4	Gene interaction: Codominance, Supplementary, Complementary, Epistasis - Dominant	L		
3	3	Pleiotrophism, Penetrance, Expressivity, Sex linked Inheritance in man			
4	4	Sex influenced genes, Sex limited genes- Genomic imprinting, X inactivation in mammals			
		Unit-II			
6	3 ABO Blood grouping and Pseudo allele.		L		
7	3	3 Linkage and Crossing over in Drosophila - Mechanism			
8	3	Fine structure of gene -cistron, muton, recon, exon and split genes.			
9	3	House keeping genes, luxury genes.	L		
		Class Test			
1	3	UNIT I and UNIT II		СТ	
		Final Evaluation (FE)			
1	3	Entire course			FE

Head of the Department of ZOOLOGY GOVT. COLLEGE FOR WOMEN.

Signature of the Staff Member(s)

IQAC-CO-ORDINATOR

Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

DEPARTMENT OF ZOOLOGY

Teaching Plan

Name(s) of the Staff: Dr.V.Kavitha

Programme:

M.Sc., ZOOLOGY

Academic Year:

2018-2019

Semester: III semester

Course Code: P21ZC311

Course Title: MICROBIOLOGY

Objectives:

To learn the basics of microbes and their environment.

2. To gain the knowledge of nutritional requirements for microbial growths.

3. To give awareness on microbial world and microbial diseases.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction	
Traditional Cha	lk and Ta	ılk Method [L]	15 hrs per unit	30		
Evaluation –Class Tests (CT)			4 hrs (for 2 units)		04	
Seminar/proble	Seminar/problem solving/class work(S) Final Evaluation (FE)					
				al)	02	
Hrs per week	2	Credit	5	Total	36	

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

				MODE OF TEACHING					
SL.NO	HOUR	UNIT -CONTENT	L	CT	S	FE			
		Unit-I							
1	3	Scope and history of microbiology - Classification of microorganisms	L						
2	5	Microbial diversity, general methods of classifying bacteria, fungi, algae and virus.	L						

1	2	Entire course			FI
		Final Evaluation (FE)			
1	4	UNIT I and UNIT II		CT	
		Class Test			
		techniques.			
9	4	Food microbiology - Food spoilage and food preservation	L		
8	5	Production of microbial enzymes and vaccines	PPT		
7	2	Production of ethanol, Pharmaceuticals - antibiotic, vitamins.	L		
		fermentation process, fermentation products.			
5	4	Industrial microbiology -Structure of fermenter and	L		
		Unit-II			
	4	Reproduction of bacteria and viruses (lytic and lysogenic cycles.	L		
		bacteria.	7		
	3	Morphology and fine structure of bacterial cells - cell wall and peptidoglycan in Gram positive and Gram negative	PPT		

of the Department

Head of the Department

MEAD OF THE DEPARTMENT OF ZOOLOGY

GOVT COLLEGE FOR WOMEN.

KUMBAKONAM.

Signature of the Staff Member(s)

IRAC-CO-ORDINATOR

To-ordinator

Toternal Quality Assurance Cell (IQAC),

Govt. College for Women (A)

Kumbakonam- 612 001

EVEN SEMESTER

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

DEPARTMENT OF ZOOLOGY

Teaching Plan

Name(s) of the	Staff: Dr.V.Kavitha		2010 2010
	B.Sc., ZOOLOGY	Academic Year:	2018-2019
Flogramme.		Course Code:	
Semester:	IV Semester		

Course Title: GENETICS AND MOLECULAR BIOLOGY

Objectives: To comprehend the knowledge on the fine structure of genetic materials their regulation and action and to know the molecular aspects of DNA – fine structure, transcription, and translation.

Teaching Methodology Traditional Chalk and Talk Method [L] Evaluation –Class Tests (CT)			Distribution o	of hours/Unit	of Instruction	
			13 hrs per unit (for 1 unit) 8 hrs for half unit		21	
			2 hrs (for 2 units)		02	
Seminar/proble					-	
Final Evaluatio			2 hrs (Rehearsal)		02	
Hrs per week	2	Credit	5	Total	25	

	Hou	rs per week	Tot	tal Hours of Instruction		
6 5 4 2				90 75 60 30		
SL.NO HOUR			UNIT -CONTENT	MODE OF TEACHING L CT S FE		
			Unit-I			

	2	Mendelian laws L			
	4	Interaction of genes - complementary, supplementary, inhibitory and lethal.	, L		
3	4 Linkage and Multiple alleles - ABO blood group system. PPT				
4	3	Crossing over in Drosophila – types and mechanism L			
		Unit-IV			
6	2	DNA as the genetic material - Griffith experiment.	PPT		
7	4	Gene concept, Fine structure of DNA and RNA	L		
8	2	DNA Replication	L		
		Class Test			
1	2	UNIT I and UNITI IV		СТ	
		First Fredrica (FF)			
		Final Evaluation (FE)			
1	2	Entire course			FE

Head of the Department
AEAD OF THE DEPARTMENT OF ZOOLOG.

GOVT. COLLEGE FOR WOMEN.

KUMBAKONAM

Signature of the Staff Member(s)

IQACKO. ORDINATOR

Co-ordinator

Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A) Kumbakonam- 612 001

DEPARTMENT OF ZOOLOGY

Teaching Plan

Name(s) of the Staff: Dr.V.Kavitha

B.Sc., ZOOLOGY Programme:

Academic Year:

2018-2019

Course Code:

Semester:

IV

Course Title: Apiculture (NMEC)

Objectives: To comprehend the knowledge on the apiculture (culture of honeybees)-their species diversity, natural and artificial lives, handling and, maintenance of colony and possible prospects of apiculture as self employment venture.

Teaching Metho	dology	in post for upon	Distribution of	hours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]			5 hrs per unit (for 2.5 units)		12
Evaluation –Class Tests (CT)			2hr (for 2.5 units)		02
	Seminar/problem solving/class work(S)			-	
	Final Evaluation (FE)			al)	01
Hrs per week	2	Credit	5	Total	15

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30
	NOODE OF THE CHIPIC

				MODE OF TEACHING				
SL.NO HO	HOUR	UNIT -CONTENT	L	CT	S	FE		
150 170		Unit-III						
1	1	Apiary care and Management – selection of sites – Catching and transforming a colony	L					
2	1	Handling and maintenance of the colony	L					

3	2	Natural enemies and diseases of honey bees	L		
4	1	Control methods.	L		
		Unit-IV			
6	2	Instruments employed in Apiary. Newtan's hive, honey extractors and smokers.	L		
7	3	Honey: Extraction and apiculture used – Chemical composition – nutritive and medicinal values.	L		
		Unit-V			
9	2	Preparing proposal (Layout and budget) for financial assistance of funding agencies.	L		
		Class Test			
1	2	UNIT III, UNIT IV and V		CT	
		Final Evaluation (FE)			
1	1	Entire course			FE

Head of the Department
TEAD OF THE DEPARTMENT OF ZOOLOGY
GOVT. COLLEGE FOR WOMEN.
KUMBAKONAM

Signature of the Staff Member(s)

IQAC-CO. ORDINATOR

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

Name(s) of the Staff: Dr.V.Kavitha

Programme:

M.Sc., ZOOLOGY

Academic Year:

2018-2019

Course Code: P21ZC103

Semester:

I Semester

Course Title: GENETICS

Objectives: To make the students

1. Understand the gene concept and principles of Genetics

2. Comprehend gene interaction and their impact on genetic and phenotypic characters

3. Apprehend the microbial genetics, mutation and human genetics.

4. Gain knowledge on genetic disorders.

5. Enrich knowledge in genetic counseling.

Teaching Metho	dology	2 - 100	Distribution	Total Hours of Instruction		
Traditional Chalk and Talk Method [L]			14 hrs per unit (for 2 units)		31	
Evaluation -Cla	Evaluation -Class Tests (CT)			3 hrs (for 2 units)		
Seminar/proble	Seminar/problem solving/class work(S)					
Final Evaluatio	Final Evaluation (FE)			arsal)	02	
Hrs per week	2	Credit	5	Total	36	

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SI NO HOUD	UNIT -CONTENT	MODE OF TEACHING				
SL.NO	SL.NO HOUR	ONII -CONTENT	L	CT	S	FE
		Unit-I				
1	2	Classical genetics: Mendel's laws	L			

	4	Gene interaction:Codominance, Supplementary, Complementary, Epistasis - Dominant	L		
	3	Pleiotrophism, Penetrance, Expressivity, Sex linked Inheritance in man	L		
4	4	Sex influenced genes, Sex limited genes- Genomic imprinting, X inactivation in mammals	L		
		Unit-II			
6	3	ABO Blood grouping and Pseudo allele.	PPT		
O		Abo blood grouping and Fseudo allele.	PPI		
7	3	Linkage and Crossing over in Drosophila - Mechanism	PPT		
8	3	Fine structure of gene -cistron, muton, recon, exon and split genes.	L		
9	3	House keeping genes, luxury genes.	L		
		Class Test			
1	3	UNIT I and UNIT II		СТ	
		Final Evaluation (FE)			
1	2	Entire course			FE

Court

Head of the Department

AD OF THE DEPARTMENT OF ZOOLOG

GOVT- COLLEGE FOR WOMEN.

KUMBAKONAM.

Signature of the Staff Member(s)

I DAC - CO. ORDINATOR

Co-ordinator
Internal Quality Assurance Cell (IQAC),
Govt. College for Women (A)
Kumbakonam- 612 001

DEPARTMENT OF ZOOLOGY

Teaching Plan

Name(s) of the Staff: Dr.V.Kavitha

Programme: B.Sc., ZOOLOGY

Academic Year:

2018-2019

Course Code: U20ZC407

Semester:

IV Semester

Course Title: ENVIRONMENTAL BIOLOGY

Objectives: To imbibe the knowledge on the Environment - their general principles, definition and scope, which influence the living organism through ecosystem structure and components, various habitats, sources of pollution and conservation of wild life.

Teaching Metho	odology		Distribution of l	Total Hours of Instruction	
Traditional Chalk and Talk Method [L]			13 hrs per unit	(for 2 units)	24
Evaluation –Class Tests (CT)			hrs (for 2 units)		04
	Seminar/problem solving/class work(S)				
Final Evaluatio	Final Evaluation (FE)			2 hrs (Rehearsal)	
Hrs per week	2	Credit	5	Total	30

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

		UNIT -CONTENT	MODE OF TEACHING					
SL.NO	HOUR	UNII -CONTENI	L	СТ	S	FE		
		Unit-I						
1	1	Ecology: Definition, scope and branches	L					
2	4	Abiotic factors: water, soil, temperature, light. Biotic factors	PPT					

	3	Animal relationship - symbiosis, commensalism, mutualism,	L		
	4	antagonism, antibiosis, parasitism, predation and competition.	L		
		Unit-IV			
6	4	Habitat Ecology: Habitat characteristics and fauna and its adaptation in rivers, muddy	L		
7	4	Habitat characteristics and fauna and its adaptation in rocky, mangroves and estuaries	L		
8	2	Habitat characteristics and fauna and its adaptation in deep sea and forest	PPT		
9	2	Habitat characteristics and fauna and its adaptation in desert and cave.			
		Class Test			
1	4	UNIT I and UNIT IV		CT	
	Table 1	Final Evaluation (FE)			
1	2	Entire course			FI

Control

Head of the Department zoolog GOVT. COLLEGE FOR WOMEN.

Signature of the Staff Member(s)

IQAC. CO. ORDINATOR

Co-ordinator
Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumbakonam- 612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: R.REVATHI

Programme:

M.Com

Academic Year:

2018-2019

Semester:

I semester

Course Code: P18COC101

Course Title: INDIAN FINANCIAL SYSTEM

Objectives:

To enable the Students gain knowledge about Business Law and its importance.

Teaching Methodology		Distribution of hours/Unit		ance. Jnit	Total Hours of Instruction	
Traditional Chalk and Talk Method [L]		13 hrs per unit (f	13 hrs per unit (for 5 units)			
ICT Enabled Lectures [I]						
Practical Demor	nstration[P]					
Tutorial (T)						
Field visit (FV)						
Group discussion	on					
Evaluation -Cla	ss Tests (CT)		1 test per unit			10
Seminar/proble	em solving/cl	ass work(S)	2 hour per unit(for 5 u	inits)	10
Creating awareness (CA)		1 hour per unit(for 5 units)		05		
Final Evaluation	n (FE)		1			
Hrs per week	6	Credit	5		Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

		LINUT CONTENT	MOI	DE OF TEACHING				
SL.NO	HOUR	UNIT -CONTENT	L	СТ	S	CA		
		UNIT –I						
1	2	Indian financial system- Introduction, concepts – money market – meaning and importance-	L					
2	3	Features of money market Objectives.	L					
3	3	Segmentation of Indian money market	L					
4	3	Difference between money market and capital market	L					
5	2	Composition of money market	L					

1		HAUT.				
6	4	New issue market – meaning , concepts- stock exchange				
7	5	New issue markets Vs stock exchange – guidelines of instruments	L			
8	4	Players –advantages of NIM- disadvantages	L		+	+
		LIMIT	L			
9	3	Secondary markets – meaning – service of stock exchange –Listing of securities – advantages –				
			L			
10	3	Listing procedure- obligations – registration of stock brokers Online trading modus are as a linear process.				
11	3	Online trading modus operandi –Merits – speculative transaction-	L			
12	2	– kinds of brokers –steps in trading	L			
13	2	Defect of Indian capital market	L			
		, an eapital market	L			
1.4	2	UNIT – IV				
14	2	Securities and exchange board of India -objectives- functions -				
15	3	SEBI- organization- SEBI and Live Control of the SEBI-	L			
		SEBI- organization- SEBI guidelines for primary market - secondary markets - bonus also	L			
		secondary markets - bonus shares-right issues ,debentures - underwriting				
16	2	NSE- objectives –features BSE- segments.				
17	3	- investor protections- need .	L			
18	3	Factors- measures	L			
			L			
19	3	Depository system definitions and				•
20	3	Depository system- definition and meaningobjectives -	L			
21	2	Activities – interacting institutions – Depository process	L			
22	2	Trading in a depository system-	L			
		SEBI- (depository and participation) Regulation act -benefits	L			
1	3	Seminar				
2	3	Unit-I Importance of money markets and capital market			S	
3		Unit III- listing of securities			S	
3	4	Unit IV-investor protections – rights			S	
1	10	Class Test		1		
1	10	Unit I to V		СТ		
		Creating Awareness (CA)		0.		
1	05	Entire course				C 1
	_					CA

Head of the Department

Dr. W. JAYASEELI, M.Com., M.Phil., Ph.D.,

Associate Professor of Commerce, Government College for Women (Autonomous), Kun.bakonam - 612 001. Signature of the Staff Member(s)

Co-ordinator
Internal Quality Assurance Cell (IOAC)

Govt. College for Word (%) Kumbakenam- 612 uu i

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: M.RAJA RAJESWARI

Programme:

M.COM

Academic Year:

2018-2019

Semester:

II semester

Course Code:

P18COCB07

Course Title: QUANTITATIVE TECHNIQUES

FOR BUSINESS DECISIONS

Objectives:

To impart knowledge on quantitative techniques so as to help the students in making business decision.

Teaching Me	thodology	ledge on quantitative tec	as to help t	ne students in making	business decision. Total Hours	
	-,-	Γalk Method [L]	Distribution	Distribution of hours/Unit		
ICT Enabled	Lectures [Talk Method [L]	12 per unit(1	12 per unit(1 to 5)		
Practical Dem		-				
Tutorial (T)	ionstratioi	1[P]				
. /	7.					
Field visit (FV)						
Group discuss				2 hours per unit (5 unit)		
Evaluation –C			2 hours per ui			
		g/class work(S)	3 Hours (1 to	3 Hours (1 to 5 unit)		
Creating aware in current resea	eness abou	ut the latest developm r (CA)	ents		15	
Final Evaluatio	on (FE)		5 hrs (Rehear	rsal)	05	
Hrs per week	6	Credit	5	Total	90	

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

		UNIT -CONTENT	MQI	DE OF	TEAC	HING
1	1	UNIT -I: Probability distribution Introduction to Probability	L	CT	S	
2	4				3	FE
3		4.3111111111111111111111111111111111111	L			_
	4	Poisson distribution	L			
4	3	Normal distribution	L			
	Į Į	UNIT - II: Linear Programming				
5	1	Introduction to U	L			
6	4	Introduction to linear programming Mathematical formula in the second s				
7	3		L			
8	4	Solving LPP using graphical method LPP using Simpley Made and the state of the stat	L			
		LPP using Simplex Method	L			
9	1	1111: Decision Analysis	L			
10	3	Decision Analysis Introducti				
11		Decision under rick	L			
12	3	Expected Monetary Value (EMV) or	L			
	2		L			
13	3	Decision Tree Analysis	L			
	J	NIT - IV. Transaction	L			
14	1	JNIT - IV: Transportation and Assignment				
15		Transportation Problems – Introduction	L			
	2	North West Corner rule				
16	2	Least Cost Method	L			
17	3	Vogel's Approximation Method	L			
18	4	Assignment Problems	L			
	U	JNIT - V: Game Theory	L			
19	3	Introduction – Types				
20	3	Value of game for Pure strategy –	L			
21	3	Dominance rule	L			
22	3	Graphic method	L			
	,	Problem solving/ Class W.	L			
1	3	Problem solving/ Class Work Binomial, Poisson, Normal distribution				
2	3	Solving LPP			CW	
3	3	Expected Monetary Value (EMV) Criterion			CW	
4	3	Expected Opportunity Loss			CW	
5	3	Game theory - Dominance rule			CW	
					CW	
1	10	CLASS TEST Unit I – Unit II				
•	10			CT		
1	5	Final Evaluation (FE)				
1	5	Entire Course				FE

Julus 12

Head of the Department

Signature of the Staff Member(s)

Dr. W. JAYASEELI, M.Com. M.Phil., Ph.D., Associate Professor of Commerce, Government College for Women (Automore 1972), Kumbakonam - 612 001.

Co-ordinator
Internal Quality Assurance Catter(20)
Govt. College for Women (4)
Kumbakonam-6129001

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE Teaching Plan

Name(s) of the Staff: N.DEEPA

Programme:

B.COM

Academic Year:

2018-2019

Semester:

III semester

Course Code:

COCC04

Course Title: BUSINESS ACCOUNTING

Objectives:

• To helps the students to prepare different kinds of accounts for concerns of different nature.

Teaching Method			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chall	and Talk Met	12 hour per ur	nit (for 5 units)	60	
ICT Enabled Lec	tures [I]				
Practical Demons	stration[P]				
Tutorial (T)					
Field visit (FV)					
Group discussion					
Evaluation –Clas	ss Tests (CT)		1 test per unit(for 5 units)		5
Seminar/problen	n solving/class	work(S)	(for 5 units)		22
Creating awareness about the latest developments of commerce in current research sector (CA)					
Final Evaluation (FE)			3 hrs (Rehears	sal)	03
Hrs per week	6	Credit	5	Total	90

Total Hours of Instruction
90
75
60
30

		UNIT -CONTENT		MODE OF TEACHING				
L.NO	L.NO HOUR			CT	S	FE		
UNI		IT -I:BRANCH ACCOUNT AND DEPARTMENTAL A	CCOL	NT				
1	1	Branch – meaning, type and format theory	L					
2	3	Goods invoiced at cost price	L					
3	2	Goods sent at Invoiced price	L					
	_	Charle & dobtors system (Cost price & Invoiced price)	L					
4	2	Department accounts-meaning-need-advantage – format	L					
5	2	Department accounts-meaning-need dayaring Departmental trading and P & L account.	L					
6	3	Departmental trading and 1 & 2 decount						

7	1	UNIT - II: HIDE BUD GO			
8	2	UNIT - II: HIRE PURCHASE ACCOUNT Hire purchase – definition-features Calculation of interest			
9		Calculation of interest	L		\top
10	2	Default & repossons:	L		+
10	2	Royalty accounts	L		+-
1.1		UNIT - III A DAMISCH CO	1.		-
11	1	UNIT – IIIADMISSION AND RETIREMENT OF PAR' Admission of a partner:	TNFRS		
		Admission of a partner:	L		
12	3	Theory and format			
13	3	Adjustment profit sharing ratio & goodwill	L		-
14	2	Justine Of Tevalliation account 0	L		
15	3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
16	2	Capital account	L		
10		Joint life policy	L		
17		UNIT - IV. DISSOLUTION OF A PYRT	L		
1 /	1	Dissolution of firm- theory & format			
18	4		L		
19	3	Realization, capital & bank account	L		+
20		piecemeal distribution & proportionate against a state of the			+
21	3	mistry of a partner			+
21	3	Garner vs. Murray.	T .		-
22		UNIT - V: INSURANCE & INSOLVENCY ACCOL	INTC		
22	1	Theory and format			
23	2	Loss of stock	L		
24	3	Statement of affairs	L		
25	3	Deficiency account	L		
26	3	Insolvency of individual	L		
		PROBLEM SOLVING	L		
1	4	UNIT I : BRANCH ACCOUNT			
2	4	UNIT II : HIRE PURCHASE		PS	
3	5	UNIT III : ADMISSION OF A PARTER		PS	
4	5	UNIT IV : DISSOLUTION OF A FIRM		PS	
5	4	UNIT V : INSOLVENCY ACCOUNTS		PS	
	_	Class Test		PS	
1	5	UNIT I to UNIT V			
		Final Evaluation (FE)	CT		
1	3	Entire course			

Julus 3

Head of the Department

Dr. W. JAYASEELI, M.Com., M. Phil., Ph. D.,
Associate Professor of Commerce,
Government College for Women (Autonomous),
Kumbakanam - 612 CCI.

Signature of the Staff Member(s)

(N.DEEPA)

Co-ordinator

Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumhakonam- 612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE Teaching Plan

Name(s) of the Staff: M.BANUMATHI

Programme: **B.COM**

Academic Year:

2018-2019

Semester:

VI semester

Course Code:

COCF12

Course Title: INCOME TAX THEORY

LAW&PRACTICE

Objectives:

To provide basic knowledge of Income tax and able to compute the taxable income of individual assessee under different heads of income.

Teaching Metho	odology		Distribution of hours/Unit		Total Hours of Instruction
Traditional Cha	lk and Talk Me	ethod [L]	12 hour per unit (for	60	
ICT Enabled Le	ectures [I]				
Practical Demoi					
Tutorial (T)	A				
Field visit (FV)					
Group discussion					10
•	Evaluation –Class Tests (CT)			2 test per unit(for 5 units)	
		s work(S)	3hrs for 5 units		15
Seminar/problem solving/class work(S) Creating awareness about the latest developments of quantum physics in current research sector					
(CA)			5hrs (Rehearsal)		05
Final Evaluation (FE)			6	Total	90
Hrs per week	6	Credit	·		

	Total Hours of Instruction
Hours per week	90
6	75
5	60
4	30
2	

SL.NO	HOUR	UNIT -CONTENT	T	MODE EACH	ING			
		UNIT -I: CONCEPT OF INCOME TAY	L	CT	S	FE		
1	2							
2	4	Meaning of income, important terms used in Income Tax, Computation of Residential status of an Individual,	L					
3	4	Computation of Scope of Total Income C. iv. 1. 1. P.	L					
		Computation of Scope of Total Income, Capital and Revenue.	L					
4	2	Incomes exempted from tax.	L					
-	2	UNIT - II: INCOME FROM SALARY						
5	2	Salary, features of Salary, Provisions relating to Provident Fund.	L					
6	5	Allowances and Perquisites	L					
7	1	Retirement benefits	L					
8	3	Gross salary and deductions from salary	L					
		UNIT – III INCOME FROM HOUSE PROPERTY			_			
9	2	Meaning and Basis of charge	L					
10	4	Computation of Gross Annual Value and Net Annual Value	L		-			
11	2	Pre-construction and Post construction Interest L						
12	4	Computation of income from House property, Deductions u/s 24. L						
		UNIT - IV: PROFITS AND GAINS OF BUSINESS OR PROFESSION	L					
13	3	Meaning of Business and Profession, provisions relating to them.						
14	5	Computations of Profits from Business.			_			
15	4	Computation of Income from Profession						
10		LINIT - V. INCOME FROM CAPITAL GAIN AND OTHER SOURCE	ES_					
16	3	Capital Gain meaning and Basis of charge, Short term and Long term	L					
17	3	Computation of Short term Capital Gain and Deductions made under	L					
		it. Computation of Long term Capital Gain and deductions made.	L					
18	4	Computation of Long term Capital Gam and accuretons trans-	L					
19	2	Income from other Sources. PROBLEM SOLVING			·			
						S		
1	2	UNIT I: Residential status				S		
2	4	UNIT II: computation of salary UNIT III: computation of income from house property				S		
3	3	UNIT III: computation of meonic from hease property UNIT IV: computation of profits from business or profession				S		
4	3	UNIT IV: computation of capital gain UNIT V: computation of capital gain	UNIT IV: computation of profits from business of profession S					
5	3	UNIT V: computation of capital gam Class Test						
				C	Γ			
1	10	UNIT I to UNIT V Final Evaluation (FE)						
	•							
1	3	Entire course						

Julus 33

Dr. W. JAYASEELI, M. Coin., M. Phil., Pn.D., Associate Professor of Commerce,

Government College for Women (Autonomous),

Kumbakonam - 612001.

Head of the Department

Signature of the Staff Member(s)

Co-ordinator Internal Quality Assurance Cart #04GJ Govt. College for Women (#)

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: M.BANUMATHI.

Programme:

B.Com

Academic Year:

2018-2019

Semester:

I semester

Course Code: 18C0C101

Course Title: FINANCIAL ACCOUNTING

Objectives:

To help the Students to acquire knowledge of financial accounting and to impart skills for recording varies kinds of business transactions.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			14hrs per unit (for 5 un	its)	70
ICT Enabled Lect	tures [I]				7.0
Practical Demon	stration[P]				
Tutorial (T)					
Field visit (FV)					
Group discussion					
Evaluation -Clas	s Tests (CT)	5 test per unit		05
Seminar/probler	n solving/c	lass work(S)	For 5 Units	13	
Creating awareness (CA)					
Final Evaluation (FE)			3 hrs (Rehearsal)		02
Hrs per week	6	Credit	5	Γotal	90

Hours per week	Total Hours of Instruction	
6	90	
5	75	
4	60	
2	30	

		UNIT -CONTENT		MODE	ODE OF TEACHING		
1	3	Preparation of Title	L	СТ	S	FE	
2	4	Preparation of Trial Balance.				1	
3	4	Trading A/C, Profit& Loss A/C	L				
1	3	Parameter of Trading Concerns	L				
	3	Rectification of errors	L				
5			L	+	_		
5	4	Depreciation- Methods of providing depreciation Fixed instalment method and below the second and the second are less than the second are less tha					
0	5	Fixed instalment method, reducing balance method, annuity method	L				
_		annuity method	L				
7	5	Provisions and resorges B. J. T.					
		Provisions and reserves, Bank Reconciliation statement	L				
8	5	ONII - III					
9	5	Single Entry	1.				
10	4	Statement of affairs method	L				
	4	Conversion method	L				
11	5	UNIT - IV	L				
11	5	Average due date					
12	9	Dill. Co.	L				
		Bills of Exchange	L				
13	4	UNIT –V	L .				
14	4	Accounts of Non-trading concerns introduction	L				
15	4	and rayments A/C	L				
16		Income & Expenditure A/C	L				
10	2	Balance Sheet	L				
1		Seminar	L				
1	5	Unit-I Preparation of Trial Balance		-			
2	4	Unit III - Statement of affairs method			S		
3	4	Unit IV- Bills of Exchange			S		
		Class Test			S		
1	5	Unit I to V		СТ			
		Final Evaluation (FE))		C1			
1	2	Entire course - Unit I to Unit V					
		ome to ome v				FE	

Julus 3

Head of the Department

Signature of the Staff

Dr. W. JAYASEELI, M.Com., M.Phil., Ph.D., Associate Professor of Commerce, Government College for Women (Autonomous), Kumbakonam - 612 001.

Co-ordinator
Internal Quality Assurance Cell (IQAO)
Govt. College for Women (A)
Kumbakonam- 612 u01

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: Dr T.TAMILMATHI

Programme:

B.COM

Academic Year:

2018-2019

Semester:

II semester

Course Code:

18COC203

Course Title: BUSINESS STATISTICS

Objectives:

To provide basic knowledge about the statistical techniques among the students.

Teaching Meth	odology		Distribution		Total	
raditional Chalk and Talk Method [L]			Distribution of hou	Total Hours of Instruction		
ICT Enabled Lectures [I]			12 hour per unit (for	5 units)	60	
Practical Demo						
Tutorial (T)						
Field visit (FV)						
Group discussion						
Evaluation –Cla	ass Tests	(CT)				
			5 test per unit		02	
Seminar/problem sloving /class work(S) Final Evaluation (FE)			(for 5 units)		10	
Hrs per week	5	C II	3 hrs (Rehearsal)		03	
per week	J	Credit	4	Total	75	

Цолью	
Hours per week	Total Hours of Instruction
6	
5	90
	75
4	60
2	
	30

SL.NO HO	HOUR	UNIT -CONTENT		MODE OF TEACHING		
			L	CT	S	FE
		UNIT -I:				
		INTRODUCTION TO STATISTIC	CS			
1	3	Introduction to Statistics	L			
2	3	Central Tendency – Arithmetic mean,	1.			
3	3	Median and Mode	L			
4	3	Geometric mean and Harmonic mean	1			-

		UNIT - II:				
5	2	Measures of Dispersion				
6	3	Range – Quartiles	L			
7	2	Deciles – Percentiles	L			
8	2	Quartile Deviation – Mean Deviation	L			-
9	3	Standard Deviation – Mean Deviation	L		+	
		Standard Deviation – Co-efficient of variation	L			+-
		UNIT – III				
10	3	MEASUREMENT OF SKEWNESS				
11	3	Measurement of Skewness: Karl Pearson &Bowley's method correlation - Karl Pearson	L			
12	3	TXIII I CAISOII	L			
13	3	Spearman's Rank correlation (simple ranks only) co-efficient of concurrent deviation	L			
			L			
		UNIT – IV				
14	2	REGRESSION ANALYSIS				
		Regression analysis – simple regression	L			
15	2	equations – X on Y – Y on X	1			
16	3	Time series analysis – components	L			
17	3	fitting a straight line by method of least square	L			
8	2	moving average	L			
		_	L			
		UNIT - V: INDEX NUMBER				
9	3	Index numbers – weighted and unweighted	T.			
20	2	price index numbers – test in index numbers	L			
1	3	time and factor reversal test	L			
2	2	cost of living index number – aggregate method	L			
.3	2	family budget method	L			
		PROBLEM SOLVING	L			
	2	UNIT I: Mean and median				
	2	UNIT II: standard deviation			S	
	2	UNIT III: co efficient of correlation			S	
	2	UNIT IV: moving average and regression			S	
	2	UNIT V; price index.			S	
					S	
	2	UNIT I to UNIT V				
				CT		
	3	Final Evaluation (FE) Entire course				
	J	Little course				FE

Head of the Department

Dr. W. JAYASEELI, M.Com., M.Phil., Ph.D., Associate Professor of Commerce,

Government College for Women (Autonomous), Kumbakonam - 612 001.

Co-ordinator

Signature of the Staff Member(s)

Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)

Kumbakonam- 612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: R.REVATHI

Programme:

M.Com

Academic Year:

2018-2019

Semester:

I semester

Course Code: P18COC101

Course Title: INDIAN FINANCIAL SYSTEM

Objectives:

To enable the Students gain knowledge about Business Law and its importance.

Teaching Methodology			Distribution of hours/Unit			Total Hours of Instruction
Traditional Chal	k and Talk Me	ethod [L]	13 hrs per unit (fe	or 5 unit	s)	65
ICT Enabled Lec	tures [I]					
Practical Demor	nstration[P]					
Tutorial (T)						
Field visit (FV)	Field visit (FV)					
Group discussion	on					
Evaluation -Cla	ss Tests (CT)		1 test per unit	1 test per unit		
Seminar/proble	Seminar/problem solving/class work(S)			2 hour per unit(for 5 units)		10
Creating awareness (CA)			1 hour per unit(for 5 units)		s)	05
Final Evaluation	Final Evaluation (FE)					
Hrs per week	6	Credit	5	To	otal	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

SL.NO		LINUT CONTENT	MOI	MODE OF TEACH			
	HOUR	UNIT -CONTENT	L	СТ	S	CA	
		UNIT –I					
1	2	Indian financial system- Introduction, concepts – money market – meaning and importance-	L				
2	3	Features of money market Objectives.	L				
3	3	Segmentation of Indian money market	L				
4	3	Difference between money market and capital market	L				
5	2	Composition of money market	L				

/ -			LIAUT				
-	6	4	New issue market – meaning , concepts- stock exchange				
L	7	5	New issue markets Vs stock exchange – guidelines of instruments	L			
-	8	4	Players –advantages of NIM- disadvantages	L			
-			LIMITE	L			
	9	3	Secondary markets – meaning – service of stock exchange –Listing of securities – advantages –				
-			securities – advantages -	L			
\vdash	10	3	Listing procedure- obligations – registration of stock brokers Online trading modules are				
-	11	3	Online trading modus operandi –Merits – speculative transaction-	L			
\vdash	12	2	– kinds of brokers –steps in trading	L			
	13	2	Defect of Indian capital market	L			
-			, an eapital market	L			
-	1.4		UNIT – IV				
	14	2	Securities and exchange board of India -objectives- functions -				
	15	3	SEBI- organization SEBI and the second sections -	L			
			SEBI- organization- SEBI guidelines for primary market -	L			
			secondary markets - bonus shares-right issues ,debentures - underwriting				
L	16	2	NSE- objectives –features BSE- segments.				
	17	3	- investor protections- need .	\mathbf{L}_{i}			
	18	3	Factors- measures	L			
				L			
	19	3	Depository system definition and				
	20	3	Depository system- definition and meaningobjectives -	L			
	21	2	Activities – interacting institutions – Depository process	L			
	22	2	Trading in a depository system-	L			
F			SEBI- (depository and participation) Regulation act -benefits	L .			
		3	Seminar				
-		3	Unit-I Importance of money markets and capital market			S	
3			Unit III- listing of securities			S	
		4	Unit IV-investor protections – rights			S	
1		10	Class Test			_	
1		10	Unit I to V		СТ		
		-	Creating Awareness (CA)				
1		05	Entire course				CA
					1	1	LCA

Head of the Department

Dr. W. JAYASEELI, M.Com., M.Phil., Ph.D.,

Associate Professor of Commerce, Government College for Women (Autonomous), Kun.bakonam - 612 001. Signature of the Staff Member(s)

Co-ordinator

Internal Quality Assurance Coll 104C) Govt. College for Work Kumbakonam- 612 uu i

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: M.RAJA RAJESWARI

Programme:

M.COM

Academic Year:

2018-2019

Semester:

II semester

Course Code:

P18COCB07

Course Title: QUANTITATIVE TECHNIQUES

FOR BUSINESS DECISIONS

Objectives:

To impart knowledge on quantitative techniques so as to help the students in making business decision.

Teaching Met	hodology	ledge on quantitative ted	as to neip t	the students in making	business decision.	
	*		Distribution	Distribution of hours/Unit		
ICT English 1.1	ialk and I	Talk Method [L]	12 per unit(1	to 5)	of Instruction	
ICT Enabled I				,	00	
Practical Dem	onstration	1[P]				
Tutorial (T)						
Field visit (FV	Field visit (FV)					
Group discuss						
				2 hours per unit (5 unit)		
Evaluation –C			2 hours per ur			
		g/class work(S)	3 Hours (1 to	3 Hours (1 to 5 unit)		
Creating aware in current resea	ness abourch sector	ut the latest developm r (CA)	nents		15	
Final Evaluation (FE)			5 hrs (Rehear	rsal)	05	
Hrs per week	6	Credit	5	Total	90	

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

	HOUR	UNIT -CONTENT	MOI	DE OF	TEAC	UNG
	1	UNIT -I: Probability distribution Introduction to Probability	L	CT		
2	4	THE PROPERTY IS			S	FE
3		a mai distribution	L			
	4	Poisson distribution	L			
4	3	Normal distribution	L			
	Į Į	UNIT - II: Linear Programming				
5	1	Introduction to U	L			
6	4	Introduction to linear programming Mathematical formula significant programming				
7	3		L			
8	4	Solving LPP using graphical method	L			
		LPP using Simplex Method	L			
9	1	1111: Decision Applysis	L			
10		Decision Analysis Introducti				
11	3	Decision under rick	L			
12	3	Expected Monetary Value (EMV) Gri	L			
	2		L			
13	3	Decision Tree Analysis	L			
	J	NIT - IV: Troper	L			
14	1	NIT - IV: Transportation and Assignment				
15		Transportation Problems – Introduction	L			
	2	North West Corner rule				
16	2	Least Cost Method	L			
17	3	Vogel's Approximation Method	L			
18	4	Assignment Problems	L			
	U	JNIT - V: Game Theory	L			
19	3	Introduction – Types				
20	3	Value of game for Pure strategy –	L			
21	3	Dominance rule	L			
22	3	Graphic method	L			
	,	Problem solving/ Class W.	L			
1	3	Problem solving/ Class Work Binomial, Poisson, Normal distribution				
2	3	Solving LPP			CW	
3	3	Expected Monetary Value (EMV) Criterion			CW	
4	3	Expected Opportunity Loss			CW	
5	3	Game theory - Dominance rule			CW	
					CW	
1	10	CLASS TEST Unit I – Unit II				
	10			CT		
1	5	Final Evaluation (FE)				
1		Entire Course				FE

Julum) 12

Head of the Department

Dr. W. JAYASEELI, M. Com M Phil., Ph.D., Associate Professor of Commerce,

Government College for Women (Autonomou), Kumbakonam - 612 001.

Signature of the Staff Member(s)

Co-ordinator Internal Quality Assurance Catherrate)
Govt. College for Would (ad) Kumbakonam- 612 901

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE Teaching Plan

Name(s) of the Staff: N.DEEPA

Programme:

B.COM

Academic Year:

2018-2019

Semester:

III semester

Course Code:

COCC04

Course Title: BUSINESS ACCOUNTING

Objectives:

• To helps the students to prepare different kinds of accounts for concerns of different nature.

Teaching Methodology			Distribution o	Total Hours of Instruction	
Traditional Chall	and Talk Met	thod [L]	12 hour per ur	nit (for 5 units)	60
ICT Enabled Lec	tures [I]				
Practical Demons	stration[P]				
Tutorial (T)					
Field visit (FV)	Field visit (FV)				
Group discussion	1				
Evaluation –Clas	ss Tests (CT)		1 test per unit(for 5 units)		5
Seminar/problen	n solving/class	work(S)	(for 5 units)		22
Creating awareness about the latest developments of commerce in current research sector (CA)					
Final Evaluation (FE)			3 hrs (Rehearsal)		03
Hrs per week	6	Credit	5	Total	90

Total Hours of Instruction
90
75
60
30

		HOUR UNIT -CONTENT		MODE OF TEACHING				
L.NO	HOUR			CT	S	FE		
	UN	IT -I:BRANCH ACCOUNT AND DEPARTMENTAL A	CCOL	NT				
1	1	Branch – meaning, type and format theory	L					
2	3	Goods invoiced at cost price	L					
3	2	Goods sent at Invoiced price	L					
	_	Charle & dobtors system (Cost price & Invoiced price)	L					
4	2	Department accounts-meaning-need-advantage – format	L					
5	2	Department accounts-meaning-need dayaring Departmental trading and P & L account.	L					
6	3	Departmental trading and 1 & 2 decount						

7	1	UNIT - II: HIDE BUD GO			
8	2	UNIT - II: HIRE PURCHASE ACCOUNT Hire purchase – definition-features Calculation of interest			
9		Calculation of interest	L		\top
10	2	Default & repossons:	L		+
10	2	Royalty accounts	L		+-
1.1		UNIT - III A DAMISCH CO	1.		-
11	1	UNIT – IIIADMISSION AND RETIREMENT OF PAR' Admission of a partner:	TNFRS		
		Admission of a partner:	L		
12	3	Theory and format			
13	3	Adjustment profit sharing ratio & goodwill	L		-
14	2	Justine Of Tevalliation account 0	L		
15	3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
16	2	Capital account	L		
10		Joint life policy	L		
17		UNIT - IV. DISSOLUTION OF A PYRT	L		
1 /	1	Dissolution of firm- theory & format			
18	4		L		
19	3	Realization, capital & bank account	L		+
20		preceded distribution & proportionate agritude of	L		+
21	3	misorvency of a partner	L		+
21	3	Garner vs. Murray.	T .		-
22		UNIT - V: INSURANCE & INSOLVENCY ACCOL	INTC		
22	1	Theory and format			
23	2	Loss of stock	L		
24	3	Statement of affairs	L		
25	3	Deficiency account	L		
26	3	Insolvency of individual	L		
		PROBLEM SOLVING	L		
1	4	UNIT I : BRANCH ACCOUNT			
2	4	UNIT II : HIRE PURCHASE		PS	
3	5	UNIT III : ADMISSION OF A PARTER		PS	
4	5	UNIT IV : DISSOLUTION OF A FIRM		PS	
5	4	UNIT V : INSOLVENCY ACCOUNTS		PS	
	_	Class Test		PS	
1	5	UNIT I to UNIT V			
		Final Evaluation (FE)	CT		
1	3	Entire course			

Julus 3

Head of the Department

Dr. W. JAYASEELI, M.Com., M. Phil., Ph. D.,
Associate Professor of Commerce,
Government College for Women (Autonomous),
Kumbakanam - 612 CCI.

Signature of the Staff Member(s)

(N.DEEPA)

Co-ordinator

Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)
Kumhakonam- 612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE Teaching Plan

Name(s) of the Staff: M.BANUMATHI

Programme: **B.COM**

Academic Year:

2018-2019

Semester:

VI semester

Course Code:

COCF12

Course Title: INCOME TAX THEORY

LAW&PRACTICE

Objectives:

To provide basic knowledge of Income tax and able to compute the taxable income of individual assessee under different heads of income.

Teaching Metho	odology		Distribution of hours	/Unit	Total Hours of Instruction
Traditional Cha	lk and Talk Me	ethod [L]	12 hour per unit (for	60	
ICT Enabled Lectures [I]					
Practical Demonstration[P]					
Tutorial (T)					
Field visit (FV)					
Group discussion					
Evaluation –Cla			2 test per unit(for 5 units)		10
Seminar/problem		s work(S)	3hrs for 5 units		15
Creating awares	ness about the	latest developments rrent research sector			
(CA)			5hrs (Rehearsal)		05
Final Evaluation	n (FE)	0 - 4:	6 Total		90
Hrs per week	6	Credit	·		

	Total Hours of Instruction
Hours per week	90
6	75
5	60
4	30
2	

SL.NO	HOUR	UNIT -CONTENT			MODE OF TEACHING			
		UNIT -I: CONCEPT OF INCOME TAY	L	CT	S	FE		
1	2							
2	4	Meaning of income, important terms used in Income Tax, Computation of Residential status of an Individual,	L					
3	4	Computation of Scope of Total Income C. iv. 1. 1. P.	L					
		Computation of Scope of Total Income, Capital and Revenue.	L					
4	2	Incomes exempted from tax.	L					
-	2	UNIT - II: INCOME FROM SALARY						
5	2	Salary, features of Salary, Provisions relating to Provident Fund.						
6	5	Allowances and Perquisites	L					
7	1	Retirement benefits	L					
8	3	Gross salary and deductions from salary	L					
		UNIT – III INCOME FROM HOUSE PROPERTY			_			
9	2	Meaning and Basis of charge	L					
10	4	Computation of Gross Annual Value and Net Annual Value	L		-			
11	2	Pre-construction and Post construction Interest	L					
12	4	Computation of income from House property, Deductions u/s 24.	L					
		UNIT - IV: PROFITS AND GAINS OF BUSINESS OR PROFESSION	N					
13	3	Meaning of Business and Profession, provisions relating to them.	L					
14	5	Computations of Profits from Business.	L		_			
15	4	Computation of Income from Profession	L					
10		LINIT - V. INCOME FROM CAPITAL GAIN AND OTHER SOURCE	ES_					
16	3	Capital Gain meaning and Basis of charge, Short term and Long term	L					
17	3	Computation of Short term Capital Gain and Deductions made under	L					
		it. Computation of Long term Capital Gain and deductions made.	L					
18	4	Computation of Long term Capital Gam and accuretons trans-	L					
19	2	Income from other Sources. PROBLEM SOLVING			·			
						S		
1	2	UNIT I: Residential status				S		
2	4	UNIT II: computation of salary UNIT III: computation of income from house property				S		
3	3	UNIT III: computation of meonic from hease property UNIT IV: computation of profits from business or profession				S		
4	3	UNIT IV: computation of capital gain UNIT V: computation of capital gain				S		
5	3	UNIT V: computation of capital gam Class Test						
				C	Γ			
1	10	UNIT I to UNIT V Final Evaluation (FE)						
	•							
1	3	Entire course						

Julus 33

Dr. W. JAYASEELI, M. Coin., M. Phil., Pn.D., Associate Professor of Commerce,

Government College for Women (Autonomous),

Kumbakonam - 612001.

Head of the Department

Signature of the Staff Member(s)

Co-ordinator Internal Quality Assurance Cart #04GJ Govt. College for Women (#)

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: M.BANUMATHI.

Programme:

B.Com

Academic Year:

2018-2019

Semester:

I semester

Course Code: 18C0C101

Course Title: FINANCIAL ACCOUNTING

Objectives:

To help the Students to acquire knowledge of financial accounting and to impart skills for recording varies kinds of business transactions.

Teaching Methodology		Distribution of hours/Unit		Total Hours of Instruction	
Traditional Chall	k and Talk l	Method [L]	14hrs per unit (for 5 units)		70
ICT Enabled Lectures [I]					7.0
Practical Demonstration[P]					
Tutorial (T)					
Field visit (FV)					
Group discussion					
Evaluation -Clas	s Tests (CT)	5 test per unit		05
Seminar/probler	n solving/c	lass work(S)	For 5 Units		13
Creating awareness (CA)					
Final Evaluation (FE)			3 hrs (Rehearsal)		02
Hrs per week	6	Credit	5	Γotal	90

Hours per week	Total Hours of Instruction	
6	90	
5	75	
4	60	
2	30	

1 3		UNIT -CONTENT		MODE	ODE OF TEACHING		
	3	Preparation of Title	L	СТ	S	FE	
2	4	Preparation of Trial Balance.				1	
3	4	Trading A/C, Profit& Loss A/C	L				
1	3	Parameter of Trading Concerns	L				
	3	Rectification of errors	L				
5			L	+	_		
5	4	Depreciation- Methods of providing depreciation Fixed instalment method and below the second and the second are less than the second are less tha					
0	5	Fixed instalment method, reducing balance method, annuity method	L				
_		annuity method	L				
7	5	Provisions and resorges B. J. T.					
		Provisions and reserves, Bank Reconciliation statement	L				
8	5	ONII - III					
9	5	Single Entry	1.				
10	4	Statement of affairs method	L				
	4	Conversion method	L				
11	5	UNIT - IV	L				
11	5	Average due date					
12	9	Dill. Co.	L				
		Bills of Exchange	L				
13	4	UNIT –V	L .				
14	4	Accounts of Non-trading concerns introduction	L				
15	4	and rayments A/C	L				
16		Income & Expenditure A/C	L				
10	2	Balance Sheet	L				
1		Seminar	L				
1	5	Unit-I Preparation of Trial Balance		-			
2	4	Unit III - Statement of affairs method			S		
3	4	Unit IV- Bills of Exchange			S		
		Class Test			S		
1	5	Unit I to V		СТ			
		Final Evaluation (FE))		C1			
1	2	Entire course - Unit I to Unit V					
		ome to ome v				FE	

Julus 3

Head of the Department

Signature of the Staff

Dr. W. JAYASEELI, M.Com., M.Phil., Ph.D., Associate Professor of Commerce, Government College for Women (Autonomous), Kumbakonam - 612 001.

Co-ordinator
Internal Quality Assurance Cell (IQAO)
Govt. College for Women (A)
Kumbakonam- 612 u01

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: Dr T.TAMILMATHI

Programme:

B.COM

Academic Year:

2018-2019

Semester:

II semester

Course Code:

18COC203

Course Title: BUSINESS STATISTICS

Objectives:

To provide basic knowledge about the statistical techniques among the students.

Teaching Meth	odology		Distribution		Total	
Traditional Cha	lk and Ta	lk Method [L]	Distribution of hou	Total Hours of Instruction		
ICT Enabled Lectures [I]			12 hour per unit (for	5 units)	60	
Practical Demonstration[P]						
Tutorial (T)						
Field visit (FV)						
Group discussion						
Evaluation –Cla	ass Tests	(CT)				
			5 test per unit		02	
Seminar/problem sloving /class work(S) Final Evaluation (FE)			(for 5 units)		10	
Hrs per week	5	C II	3 hrs (Rehearsal)		03	
per week	J	Credit	4	Total	75	

Цолью	
Hours per week	Total Hours of Instruction
6	
5	90
	75
4	60
2	
	30

SL.NO	HOUR UNIT -CONTENT			MODE OF TEACHING				
			L	CT	S	FE		
		UNIT -I:						
		INTRODUCTION TO STATISTIC	CS					
1	3	Introduction to Statistics	L					
2	3	Central Tendency – Arithmetic mean,	1.					
3	3	Median and Mode	L					
4	3	Geometric mean and Harmonic mean	1			-		

		UNIT - II:				
5	2	Measures of Dispersion				
6	3	Range – Quartiles	L			
7	2	Deciles – Percentiles	L			
8	2	Quartile Deviation – Mean Deviation	L			-
9	3	Standard Deviation – Mean Deviation	L		+	
		Standard Deviation – Co-efficient of variation	L			+-
		UNIT – III				
10	3	MEASUREMENT OF SKEWNESS				
11	3	Measurement of Skewness: Karl Pearson &Bowley's method correlation - Karl Pearson	L			
12	3	TXIII I CAISOII	L			
13	3	Spearman's Rank correlation (simple ranks only) co-efficient of concurrent deviation	L			
			L			
		UNIT – IV				
14	2	REGRESSION ANALYSIS				
		Regression analysis – simple regression	L			
15	2	equations – X on Y – Y on X	1			
16	3	Time series analysis – components	L			
17	3	fitting a straight line by method of least square	L			
8	2	moving average	L			
		_	L			
		UNIT - V: INDEX NUMBER				
9	3	Index numbers – weighted and unweighted	T.			
20	2	price index numbers – test in index numbers	L			
1	3	time and factor reversal test	L			
2	2	cost of living index number – aggregate method	L			
.3	2	family budget method	L			
		PROBLEM SOLVING	L			
	2	UNIT I: Mean and median				
	2	UNIT II: standard deviation			S	
	2	UNIT III: co efficient of correlation			S	
	2	UNIT IV: moving average and regression			S	
	2	UNIT V; price index.			S	
					S	
	2	UNIT I to UNIT V				
				CT		
	3	Final Evaluation (FE) Entire course				
	J	Little course				FE

Head of the Department

Dr. W. JAYASEELI, M.Com., M.Phil., Ph.D., Associate Professor of Commerce,

Government College for Women (Autonomous), Kumbakonam - 612 001.

Co-ordinator

Signature of the Staff Member(s)

Internal Quality Assurance Cell (IQAC)
Govt. College for Women (A)

Kumbakonam- 612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF HISTORY

Teaching Plan

Name of the Staff:

Dr.S.ANUSUYA

Programme:

M.A., HISTORY

Academic Year: 2018-2019

I semester Semester:

Course Code: P18HSC1EC1

Course Title: EC I ARCHAEOLOGY

Objectives:

To understand the meaning and other disciplines of Archaeology

> To know the Temple architectural styles of Various dynasties

To evaluate the contributions of eminent archeologists

> To evaluate the contributions of eniment areas					Total Hours
Teaching Metho	odology		Distribution of hours	s/Unit	of Instruction
		Aethod [I]	15 hrs per unit (15 hrs per unit (for 5 units)	
	Fraditional Chalk and Talk Method [L]				
ICT Enabled Le	ctures [I]				
Practical Demoi	nstration[P]		1 hour per unit ((for 3units)	03
Assignment(A)			1 nour per and		
Field visit (FV)					
Group discussion			1 hour per unit (for 3 units)		03
Evaluation –Class Tests (CT)			1 hour per unit (for 3units)		03
Seminar/problem	n solving/cla	ass work(S)	1 nour per unit	(Tot sumts)	
Creating awareness about the current			t 1 hour per unit((for 3units)	03
development	(CA)				
Final Evaluation	Final Evaluation (FE)			earsal)	03
Hrs per week	6	Credit	5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

S.NO	UNIT	TOPICS	LECTURE	ASSIGNMEN T	GROUP DISCUUSSIO N	EVALUATIO N-CLASS TESTS	SEMINAR	CREATING AWARENSS	FE
1	I	Archaeology-Meaning-Definition and scope-Archaeology and other Disciplines-Archaeology and History —Archaeology and culture —	5	-	-	-	1	-	-
2.	11	Archaeology and Emvironment Surface Exploration-Methods and Equipments: Objectives, Survey of Pre-History, Ptoto-Historic and Historical sites-Excavational Equipments-Methods of Excavation- Dating methods: Preservation of Atrefacts-Study of Numismatics — Role of Museum.	5	-	-	1	1	1	-
3.	111	Eminent Archaeologists-James Princep-Alexander Cunningham- Robert Bruce Foote-Sir John Marshall-Sir Mortimer Wheeler- Iravatham Mahadevan- K.V.Raman,R.Nagasamy-Functions of Archaeologists	5	1	-	-	1	1	-
4.	IV	Epigraphy as source material-Study of Brahmi – Tamil-Nagari-Vatteluthu-Grandha-Selected Inscriptions-Arachur-Puhalur-Meenakshipuram,Annamalai-Kalugumalai-Mandagapattu	5	1	-	1		-	-
5.	V	Temple Architecture —Pallavas-Cave temples-Five rathas,Kalugumalai,Vettuvankovil-Pallavas-Pandya Style-Cholas Big Temple,Gngaikonda Cholapuram,Darasuram Temple	5	1		1	1	1	3(Model Examina tion)

Components of Students' Evaluation for Class Tests:

Test 1: for 25 marks: Section A [$5 \times 2 = 10 \text{ marks}$]; Section B [$1 \times 5 = 5 \text{ marks}$]:

Section C [1X10 = 10 marks] (Unit 2)

Test 2: for 25 marks: Section A [5X 2 = 10 marks]; Section B [1 X 5= 5 marks] Section C [

1X10 = 10 marks] (Unit 4)

Test 3: for 25 marks: Section A [5 X 2 = 10 marks]; Section B [1 X 5 = 5 marks]; Section C

[1X10 = 10 marks] (Unit 5)

Note: The question paper pattern for these three tests may be decided by the teacher concerned and accordingly the details should be given.

Model Examination: 75 marks as per end semester question paper pattern.

Assignment Topic I for 10 marks: Alexander Cunnigham (Unit III)

Assignment Topic II for 10 marks: Vatteluthu (Unit IV) Assignment Topic III for 10 marks: Five Rathas (Unit V)

Seminar Topics from Unit I,II,IIISeminar topics as per the Student's Choice

Signature of the Staff Member(s)

Head of the Department

IQAC Co-Ordinator

Internal Quality Assurance Cell (IDAC)
Gevt. College for Women (A)
Kumbakenam-612 901

POST GRADUATE AND RESEARCH DEPARTMENT OF HISTORY

Teaching Plan

Name of the Staff: Mrs.G.SRIVIDYA

Programme:

B.A. HISTORY

Academic Year: 2018-19

Semester:

V Semester

Course Code: HSCE08

Course Title: HISTORY OF EUROPE FROM A.D.

1453 TO 1789 Objectives:

> To understand the meaning of Renaissance and Reformation

> To know about the Industrial and Agrarian Revolution

> To understand the Enlightened Despotism

Teaching Methodology		Distribution of hours	Total Hours of Instruction	
Traditional Chalk and Talk M	[ethod [L]	15 hrs per unit (75	
ICT Enabled Lectures [I]				
Practical Demonstration[P]				
Assignment(A)	1 hour per unit (for 3units)	03	
Field visit (FV)				
Group discussion				
Evaluation –Class Tests (CT)	1 hour per unit (f	03		
Seminar/problem solving/class	1 hour per unit (1	03		
Creating awareness abordevelopment (CA)	ut the current	1 hour per unit(f	03	
Final Evaluation (FE)		3 hrs (Rehea	03	
Hrs per week 5	Credit	5	Total	90

Hours per week	Total Hours of Instruction
5	90
5	75
4	60
2	30

S.NO	UNIT	TOPICS		ASSIGNMEN T	GROUP DISCUUSSIO N	EVALUATIO N-CLASS TESTS	SEMINAR	CREATING AWARENSS	FE
1	I	Europe in the Middle Ages – Fall of Constantinople- Renaissance- Geographical Discoveries – Reformation – Counter Reformation	5		-	1	1	-	-
2.	II	Rise of Nation States – France, England, Germany-Charles V- Industrial Revolution-Agrarian Revolution-Scientific Inventions- Imperialism and Colonialism	5	1	-	-	-	1	-
3.	III	Enlightened Despotism in Europe- Louis XIV of France-Frederick, The Great of Prussia-Peter, the Great of Russia-Catherine, the Great	5	1	-	-	1	-	-
4.	IV	Rise of Austria-Maria Theresa- Partition of Poland-Joseph-II-Rise of Sweden-Gustavus Adolphus-Charles XII	5	1	-	1	1	1	-
5.	V	Thirty Years War-Treaty ofWestpholia- Louis XV-LouisXVI of France Rousseau,Montesquieu,Voltaire- Condition of Europe on the Eve of the French Revolution	5		-	1	-	1	3(Model Examina tion)

Components of Students' Evaluation for Class Tests:

Test 1: for 25 marks: Section A $[5 \times 2 = 10 \text{ marks}]$; Section B $[1 \times 5 = 5 \text{ marks}]$:

Section C [1X10 = 10 marks] (Unit 1)

Test 2: for 25 marks: Section A [5X 2 = 10 marks]; Section B [1 X 5= 5 marks] Section C [

1X10 = 10 marks (Unit 4)

Test 3: for 25 marks: Section A [$5 \times 2 = 10 \text{ marks}$]; Section B [$1 \times 5 = 5 \text{ marks}$]; Section C

[1X10 = 10 marks] (Unit 5)

Note: The question paper pattern for these three tests may be decided by the teacher concerned and accordingly the details should be given.

Model Examination: 75 marks as per end semester question paper pattern.

Assignment Topic I for 5 marks: Scientific Inventions(Unit II)

Assignment Topic II for 5 marks: Louis XIV of France(Unit III)

Assignment Topic III for 5 marks: Thirty Years of Wars (Unit IV)

Seminar Topics from Units I,III,IV as per the Students Choice

Signature of the Staff Member(s)

Head of the Department

IQAC Co-Ordinator

Co-ordinator Internal Quality Assurance Cell (IQAC) Gavt. College for Women (A)

Kumbakonam- 612 001

POST GRADUATE AND RESEARCH DEPARTMENT OF HISTORY

Teaching Plan

Name of the Staff: Mrs.K.Durgadevi

Programme: B.A. HISTORY

Academic Year: 2018-2019

Semester: V semester

Course Code: 18HSC510

Course Title: History of U.S.A FROM 1776A.D

to 1900 A.D Objectives:

> To know causes for the rise of nationalism in America.

> To study about the Econamic development in U.S.A.

> To understand the works of various leaders in the America.

Traditional Chalk and Talk Method [L] ICT Enabled Lectures [I] Practical Demonstration[P] Assignment(A) Field visit (FV) Group discussion Evaluation - Class Tests (CT) Seminar/problem solving/class work(S) Creating awareness about the current development (CA) Final Evaluation (FE) Hrs per unit (for 5 units) 75 1 hour per unit (for 3 units) 03 Thou per unit (for 3 units) 03 Creating awareness about the current development (CA) 1 hour per unit (for 3 units) 03 Creating awareness about the current development (CA) 1 hour per unit (for 3 units) 03 Creating awareness about the current development (CA) 1 hour per unit (for 3 units) 03 Creating awareness about the current development (CA)	Teaching Meth	hodology		Distribution of hour	-s/Unit	Total Hour of Instructi
Practical Demonstration[P] Assignment(A) 1 hour per unit (for 3 units) 03 Field visit (FV) Group discussion Evaluation -Class Tests (CT) 1 hour per unit (for 3 units) 03 Seminar/problem solving/class work(S) 1 hour per unit (for 3 units) 03 Creating awareness about the current development (CA) 1 hour per unit (for 3 units) 03 Final Evaluation (FE) 3 hrs (Rehearsal) 03 Hrs per week 6 Credit 6	Traditional Ch	alk and Talk N	Method [L]	15 hrs per unit (for	5 units)	75
Assignment(A) 1 hour per unit (for 3 units) 03 Field visit (FV)	ICT Enabled Lo	ectures [I]				
Field visit (FV) Group discussion Evaluation - Class Tests (CT) Seminar/problem solving/class work(S) Creating awareness about the current development (CA) Final Evaluation (FE) 3 hrs (Rehearsal) O3 O3 O3 O3 O3 O3 O3 O3 O3 O	Practical Demo	onstration[P]				
Group discussion Evaluation -Class Tests (CT) Seminar/problem solving/class work(S) Creating awareness about the current development (CA) 1 hour per unit (for 3 units) 1 hour per unit (for 3 units) 3 hour per unit (for 3 units) 3 hour per unit (for 3 units) 03 Creating awareness about the current development (CA) 1 hour per unit (for 3 units) 03 Creating awareness about the current development (CA) 1 hour per unit (for 3 units) 03 03	Assignment(A)			1 hour per unit (for	3units)	03
Evaluation - Class Tests (CT) Seminar/problem solving/class work(S) Creating awareness about the current development (CA) 1 hour per unit (for 3 units) 1 hour per unit (for 3 units) 1 hour per unit (for 3 units) 3 hour per unit (for 3 units) 1 hour per unit (for 3 units) 3 hrs (Rehearsal) 6 Credit	Field visit (FV)					
Seminar/problem solving/class work(S) Creating awareness about the current development (CA) 1 hour per unit (for 3units) 1 hour per unit(for 3units) 3 hrs (Rehearsal) 03 Credit 6 Credit	Group discussi	on				
Creating awareness about the current development (CA) 1 hour per unit(for 3units) 3 hrs (Rehearsal) 03 Hrs per week 6 Credit	Evaluation -Cla	ass Tests (CT)		1 hour per unit (for	03	
development (CA) 1 hour per unit(for 3units) 7 inal Evaluation (FE) 3 hrs (Rehearsal) 03 Hrs per week 6 Credit 6	Seminar/problem solving/class work(S)			1 hour per unit (for	3units)	03
Hrs per week 6 Credit 6				1 hour per unit(for 3units)		03
Hrs per week 6 Credit 6	Final Evaluation	ı (FE)		3 hrs (Rehearsal)		03
Total 90	Hrs per week	6	Credit	6	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75
4	60
2	30

S.N	UN	TOPICS	15000				T == 0 (10)	CREATING	F
0	IT	0.103	RE RE	ASSIGN MENT	GROUP DISCUUSSI ON	EVALUATI ON-CLASS TESTS	SEMIN AR	AWAREN	E
1	1	American war of independence, The making of constitution, Washington's presidency johnAdams.	5	1	-	•	-	-	-
2.	11	Jeffersonian republicanism,ma dison and the war of 1812 james munroe and the Era of good feelings,munroe's doctrine.		-	-	1	1	1	
3.	III	Andrew jackson's presidency,westw ard movement ,the issue of slavery in American politics.		1	-	-	1	1	
4.	IV	Abraham Lincoln,the civil war 1860 to 1865,causes,cour ses and the results of the civil war , reconstruction.	5	-	-	1	1	1	
5.	V	The rise of big business and industry, the populist and the granger,	5	1	-	1	-	-	3(M o d el

movement trade unions,U.S.Imperi alism, the Spanish American war of 1898.	E x a m in at io n)

Components of Students' Evaluation for Class Tests:

Test 1: for 25 marks: Section A [$5 \times 2 = 10 \text{ marks}$]; Section B [$1 \times 5 = 5 \text{ marks}$]:

Section C [1X10 = 10 marks] (Unit 1 & 2)

Test 2: for 25 marks: Section A [5X 2 = 10 marks]; Section B [1 X 5= 5 marks] Section C

[1X10 = 10 marks] (Unit 3 & 4)

Test 3: for 25 marks: Section A [$5 \times 2 = 10 \text{ marks}$]; Section B [$1 \times 5 = 5 \text{ marks}$];

Section C [1X10 = 10 marks] (Unit 5)

Note: The question paper pattern for these three tests may be decided by the teacher concerned

and accordingly the details should be given.

Model Examination: 75 marks as per end semester question paper pattern.

Assignment Topic I for 5 marks: The American war of independence(Unit-I)

Assignment Topic II for 5 marks: Westward Movement (Unit-III)

Assignment Topic III for 5 marks: The civil war-1862-1865(Unit-IV)

Seminar Topics from Units II,III,V as per the Students Choice.

Someyon 2010 2018 HOD 34/10 2018

IQAC Coordinator

Co-ordinator internal Quality Assurance Cell (IQAC) Govt. College for Women (A) Kumbakonam- 612 001

DEPARTMENT OF GEOGRAPHY

Teaching Plan

Name(s) of the Staff: Dr.S.GEETHA

Programme: M.Sc., APPLIED GEOGRAPHY Academic Year: 2018-2019 NOVEMBER

Semester: III SEMESTER Course Code:P18GC102

Course Title: CLIMATOLOGY AND

OCEANOGRAPHY

Objectives:

> To learn abount the nature of atmosphere and dynamics processes

> To understand the various climatic elements and climatic zones

Teaching Methodology		Distribution of hou	Total Hours of Instruction		
Traditional Ch	alk and Talk	Method [L]	13hrs per unit (for	5 units)	65
ICT Enabled Lectures [I]					
Practical Demonstration[P]					
Tutorial (T)			1 hour per unit(for	5 units)	05
Field visit (FV)					
Group discussion			2 hours	2	
Evaluation -Cl	ass Tests (CT	")	5 test per unit		05
Seminar/prob	lem solving/	class work(S)	1 hour per unit(for	5 units)	05
Creating awareness about the importance of climatic elements (CA)			1 hour per unit(for 5 units)		05
Final Evaluation	Final Evaluation (FE)				03
Hrs per week	6	Credit	5	Total	90

Hours per week	Total Hours of Instruction
6	90
5	75

4	60
2	30

Unit wise Teaching and Evaluation Plan

Unit Wise Topics	L	I	P	Т	FV	C T	S	C A	FE
Unit-I definition ,scope and significance of climatology, structure of atmosphere Heat balance ,atmospheric pressure	4								
General circulaton of atmosphere	3								
World climatic regions	3			1					
Koppens and thornthwaites classification	3						1		
Class Test						1		1	
Unit- II air masses, fronts, precifitation	4								
Atmospheric disturbances, temperature and tropical cyclones Temperature and tropical cyclones	3		1	1					
Temperature and tropical cyclones 3 ,thunderstorms World climatic regions ,koppens and thornthwaite s classification									
Class test	3					1	1	1	1
Unit - III climatic changes ,evidences and	4								
theories Micro climate ,agro climate,urban climate	3								
Global warming	3						1		
Heat hazards	3		1	. 1	L				
Class test						1		1	1
Unit-IV orgin of ocean basins, bottom relief of atlandic ,Indian and pacific oceans	4								

Ocean deposits	3	1			
Coral reef , conditions for growth	3				
Types and distribution of coral reefs	3		1		
Class test			1	1	
Unit - V Temperature and salinity, vertical and horizontal distribution	5				
Density of the sea water,movement of sea water,currents	5	1			
Waves, tides and tsunami	3				
			1	1	1

Class Test Rehearsal Examination **Total Hours**

90

Components of Students' Evaluation for Continuous Internal Assessment:

TEST	SECTION A	SECTION B	SECTION C	TOTAL
I	10X1 = 10 Marks	4X5=20 Marks	2X10=20 Marks	50
II	10X1 = 10 Marks	4X5=20 Marks	2X10=20 Marks	50
III	20X1 = 20 Marks	5X5=25 Marks	3X10=30 Marks	75

Assignment Topic I: for 10 marks: General circulation of atmosphere

Assignment Topic II for 10 marks:health hazards

Assignment Topic III for 10 mark: vertical and horizontal distribution of temperature

Head of the Department

IBAC 6 - 6 reliable Signature of the Staff Member(s)

Co-ordinator Internal Quality Assurance Cell (IQAC) Govt. College for Women (A) Kumbakonam- 612 001

DEPARTMENT OF GEOGRAPHY

Teaching Plan

Name(s) of the Staff: Dr.S.NITHYA

Programme: B.Sc., GEOGRAPHY

Academic Year: 2018-

2019 April

Semester: IV SEMESTER

Course Code: U21GC509

Course Title: OCEANOGRAPHY

Objectives:

> To understand the Dynamic nature of ocean

> To learn about the characteristic features of marine environment

Teaching Metl	nodology		Distribution o	Total Hours of Instruction	
Traditional Ch	alk and Tall	Method [L]	10 hrs per uni	t (for 5 units)	50
ICT Enabled L	ectures [I]				
Practical Dem	onstration[P	7]			
Tutorial (T)			1 hour per uni	t(for 5 units)	05
Field visit (FV)			2 hours	02	
Group discuss	ion				
Evaluation -Cl	ass Tests (C	Γ)	5 test per unit		05
Seminar/prob	lem solving/	class work(S)	1 hour per uni	05	
Creating awareness about the importance of nature and climatic changes in ocean (CA)		1 hour per unit	t(for 5 units)	05	
Final Evaluation (FE)			3 hrs (Rehears	al)	03
Hrs per week	5	Credit	4	75	

Hours per week	Total Hours of Instruction
6	90
5	75

4	60
2	30

Unit wise Teaching and Evaluation Plan

Unit Wise Topics	L	I	P	Т	FV	C T	S	C A	FE
Unit-I Nature, scope and significance of oceanography, distribution of land and sea	3								
Surface configuration of the ocean floor	3								
Continental slope ,deep sea plain	2			1					
Oceanic deeps	2						1		
Class Test						1		1	
Unit- II major relief features of the pacific	3								
Atlandic andn Indian ocean Ocean deposite	3 2		1	1			1		
Classification of ocean deposite Class test	2					1		1	1
Unit - III temperature ,salinity and density of	4								
sea water Controlling facters	3								
Distribution of ocean water	3						1		
			1	1					
Class test						1		1	1
Unit-IV dynamics of ocean	3								
Waves ,tides and current	3			1					
Major types and effects	2								
Ocean oscillation	2						1	L	

Class test

Unit - V marine resource :types Distribution and uses Coral reefs:origin and types

Class Test Rehearsal Examination **Total Hours**

1 1 3 75

1

1

1

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Components of Students' Evaluation for Continuous Internal Assessment:

			SECTION C	TOTAL		
TEST	SECTION A	SECTION B	SECTION			
1651	10X1 = 10 Marks	4X5=20 Marks	2X10=20 Marks	50		
1	10X1 = 10 Marks		2014-1-	50		
11	10X1 = 10 Marks	4X5=20 Marks	2X10=20 Marks	30		
	2014 1-	5X5=25 Marks	3X10=30 Marks	75		
III	20X1 = 20 Marks	JAJ-23 Marks				

Assignment Topic I: for 10 marks:surface configuration of ocean floor

Assignment Topic II for 10 marks: dynamics of ocean

Assignment Topic III for 10 mark: marine resources -origin and types

Signature of the Staff Member(s)

JOAC Coordinator.

. Kumbakenam. 612 001

Teaching Plan

Name(s) of the Staff: Dr.K.INDHIRA

Programme: B.Sc., GEOGRAPHY

Academic Year:

2018-

2019 April

Semester:

III SEMESTER

Course Code: U21GC203

Course Title: CLIMATOLOGY

Objectives:

> To understand the nature of atmosphere and dynamic processes of meteorological parameters

> To learn about the patterns and distribution of various climatic elements and climatic zones

Teaching Meth	odology		Distribution o	Total Hours of Instruction					
Traditional Ch	alk and Talk	Method [L]	13 hrs per uni	65					
ICT Enabled Le	ectures [I]								
Practical Dem	onstration[P]							
Tutorial (T)	Tutorial (T)			it(for 5 units)	05				
Field visit (FV)			2 hours		02				
Group discuss	ion								
Evaluation -Cl	ass Tests (CT	")	5 test per unit		05				
Seminar/prob	lem solving/	class work(S)	1 hour per un	05					
Creating awareness about the importance of nature and climatic changes (CA)		1 hour per un	05						
Final Evaluation	on (FE)		3 hrs (Rehear	sal)	03				
Hrs per week	6	Credit	5	Total	90				

Hours per week	Total Hours of Instruction
6	90
5	75

4	60
2	30

Unit wise Teaching and Evaluation Plan

Unit Wise Topics	L I		P	T	FV	C T	S	C A	FE	
Unit-I Nature and scope of climatology ,climatic elements	4									
Weather and climate	3									
Composition and structure of atmosphere	3			1						
insolation	3						1			
Class Test						1		1		
Unit- II horizontal and vertical distribution temperature	of 4									
Range of temperature	3		1	:	1					
Heat budget	3						1	L		
Class test	3					1		1	. 1	
Unit - III atmospheric pressure and winds	4									
Winds, monsoon	3									
Jet stream,planetary	3							1		
General circulation of winds	3			1	1					
Class test							1		1	1
Unit-IV atmospheric moisture ,forms precipation and types of rainfall	of 4									
Classification :clouds	3				1					
Air masses	3									
fronts	3	3						1		

4	60
2	30

Unit wise Teaching and Evaluation Plan

Unit Wise Topics	L	I	P	T	FV	C T	S	C A	FE
Unit-I Nature and scope of climatology ,climatic elements	4								
Weather and climate	3								
Composition and structure of atmosphere	3			1					
insolation	3						1		
Class Test						1		1	
Unit- II horizontal and vertical distribution of temperature	f 4								
Range of temperature	3		1	1					
Heat budget Class test	3					1	1	1	1
	4								
Unit - III atmospheric pressure and winds	4								
Winds, monsoon	3								
Jet stream,planetary	3	3					1	L	
General circulation of winds	3	3	:	1	1				
Class test						1	L	1	1
Offic-1 v defines prieste mass ,	of	4							
precipation and types of rainfall Classification :clouds		3			1				
Air masses		3							
fronts		3						1	

Unit tropical ,	- tempera	V ature,antic	cyclone yclone	:	5	
Climatic	classifi	cation of k	oppen		4	1
Climatic	classifi	cation of t	hornthwaite		4	

Class Test Rehearsal Examination **Total Hours**

1 1 1

3

90

Components of Students' Evaluation for Continuous Internal Assessment:

		OT OTTOM	TOTAL
SECTION A	SECTION B	SECTION C	TOTAL
	4375-20 Marks	2X10=20 Marks	50
10X1 = 10 Marks	4X5=20 Marks	2/110 20 1/11/20	
10V1 - 10 Marks	4X5=20 Marks	2X10=20 Marks	50
10X1 = 10 Marks		27710 20 14 1	75
20X1 = 20 Marks	5X5=25 Marks	3X10=30 Marks	73
	10X1 = 10 Marks 10X1 = 10 Marks 20X1 = 20 Marks	10X1 = 10 Marks 4X5=20 Marks 10X1 = 10 Marks 4X5=20 Marks	10X1 = 10 Marks

Assignment Topic I: for 10 marks:types of precipitation

Assignment Topic II for 10 marks: composition and structure of atmosphere

Assignment Topic III for 10 mark: climatic classification of koppen and thornthwaite

Signature of the Staff Member(s)

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM DEPARTMENT OF GEOGRAPHY

Teaching Plan

Name(s) of the Staff: Dr.V.KALYANI

Programme: BSc., GEOGRAPHY

Academic Year: 2018-2019 NOVEMBER

Semester:

V SEMESTER

Course Code:18GC614

Course Title: GEOGRAPHY OF INDIA

Objectives:

> To understand the Physical and human environment of india

> To learn about special focus on geography of tamilnadu

Teaching Metl	odolog	y	Distribution of hours/Unit			
Traditional Ch	alk and	Talk Method [L]	od [L] 13 hrs per unit (for 5 units)			
ICT Enabled L	ectures	[1]				
Practical Dem	onstrati	on[P]				
Tutorial (T)			1 hour per u	nit(for 5 units)	05	
Field visit (FV)			2 hours	02		
Group discuss	ion					
Evaluation -Cl	ass Tes	ts (CT)	5 test per un	it	05	
Seminar/prob	lem sol	ving/class work(S)	1 hour per u	nit(for 5 units)	05	
Creating awar		about the importance	1 hour per u	nit(for 5 units)	05	
Final Evaluation (FE)			3 hrs (Rehea	rsal)	03	
Hrs per week	6	Credit	5 Total		90	

Hours per week	Total Hours of Instruction
6	90
5	75

4	60
2	30

Unit wise Teaching and Evaluation Plan

Unit Wise Topics	L	I	P	T	FV	C T	S	C A	FE
Unit-l location and administrative setup in india	4								
Drainage system	3								
Climate,soil	3			1					
Natural vegetation	3						1		
Class Test						1		1	
Unit- II agricultural regions in india	4								
Distribution of major food crops Jute ,cotton and rubber irrigation	3		1	1			1		
Class test	3					1		1	1
Unit - III distribution and production of mineral resorces	4								
Fuel resources	3								
Power resorces	3						1		
Multipurpose projects	3		1	1					
Class test						1		1	1
Unit-IV distribution and production of major industries	4								
Engineering and automobile industry	3			1					
Electronic industry	3								

90

Class test	1	1
Unit - V Demographic trends in 5 india, density of population		
Urbanization ,transport:surface,air,water and 4 pipe line		
Major export and import items of india 4		
Class Test Rehearsal Examination	1	1 1 3
Total Hours		

Components of Students' Evaluation for Continuous Internal Assessment:

TEST	SECTION A	SECTION B	SECTION C	TOTAL
l	10X1 = 10 Marks	4X5=20 Marks	2X10 20 Marks	50
II	10X1 = 10 Marks	4X5=20 Marks	2X10=20 Marks	50
III	20X1 = 20 Marks	5X5=25 Marks	3X10=30 Marks	75

Assignment Topic 1: for 10 marks: major physiographic divisions in india

Assignment Topic II for 10 marks: distribution and production of major industries

Assignment Topic III for 10 mark: urbanization in india

Head of the Department

Signature of the Staff Member(s)

nemal Quality Assurance Cett (IQAC)
Gevt. College for Women (A)

coordinator.

Kumbakenam- 612 661