GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
KUMBAKONAM – 612 001
Affiliated to Bharathidasan University
DST - CURIE Sponsored Institution
IV Cycle of Accreditation
Estd. 1963
0435 – 2401391
principal@gcwk.ac.in

CRITERION II – TEACHING - LEARNING AND EVALUATION

2.3 Teaching - Learning Process

2.3.3 Academic Calendar and Teaching plans by the Institution

TEACHING PLANS

2020-2021

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

DEPARTMENT OF ENGLISH

Teaching Plan

Name(s) of the Staff: C.TAMILARASI

Programme: II M.A English Literature Academic Year: 2020-2021

Semester: III semester CourseCode: P21ELC309

Course Title: English Language Teaching

Objectives:

- To enable the students to gain practical skills in classroom teaching at different levels.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			14 hrs per unit (for 5 units)		70
ICT Enabled Lectures [I]			--------		-----
Practical Demonstration[P]			--------		-----
Tutorial (T)			1 hour per unit(for 2 units)		02
Field visit (FV)			-----		-----
Group discussion					
Evaluation –Class Tests (CT)			5 test per unit		05
Seminar/problem solving/class work(S)			2 hour per unit(for 5 units)		10
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.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
		Unit-I				
1	13	Linguistics, Psychology , First Language Learning and Second Language Learning: Behaviourism and its impact on Language Teaching	L			
		Unit-II				
2	15	Cognitive-code learning theory and its influence on Language Teaching, Linguistic theories and their effects on Language Teaching and limitations	L			
		Unit – III				
3	13	Grammar Translation Method, Direct Method, Reading Method, Audiolingual Method, Oral Approach/ Situational Language TeachingCommunicative Language Teaching, Content Based Instruction, CLIL, Task- Based Language Teaching, Lexical Approach Co-operative Language Learning, Natural Approach, Total Physical Response, Silent way, Community Language Learning, Suggestopedia	L			
		Unit – IV				
4	13	Framework for daily lesson plansTesting – characteristics – types of language tests – types of questions Motivation – Importance and types, Practical applications in classroom Maslow's hierarchy of needs	L			

Unit – V						
5	13	Team work: team teaching and collaborative learning	L			
Seminar						
1	2	UNIT-I First Language Learning and Second Language Learning			S	
2	2	UNIT-II Linguistic theories			S	
3	2	UNIT-III Communicative Language Teaching			S	
4	2	UNIT – IV Types of language tests			S	
5	2	UNIT-V Team teaching			S	
Class Test						
1	5	UNIT I- &UNIT V		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

Head of the Department

C. Tamilarasi

Signature of the Staff Member(s)

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

GOVERNMENT COLLEGE FOR WOMEN (A)

DEPARTMENT OF ENGLISH

Teaching Plan

Name of the Staff : Mrs .C. Thenmozhi

Programme: B.A English Academic Year : 2020-2021

Semester: II Semester Course Code : 18ELC102

Course Title: Short Stories and Essays

Objectives:
To expose students to short story writing over the ages

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method[L]			10 hrs per unit (for 5 units)		50
Evaluation–Class Tests(CT)			2 hrs per unit (for 5 units)		10
Seminar/problem solving/class work(S)			1 hour per unit (for 5 units)		05
Tutorial			1 hour per unit (for 5 units)		05
Reading aloud			1 hr for 5 units		05
Group discussion			1 hr per unit for 5 units		05
Final Evaluation(FE)			10 hrs (Rehearsal)		10
Hrsper week	6	Credit	5	Total	90

SL.NO	HOUR	UNIT–CONTENT	MODEOFTEACHING			
			L	CT	S	FE
UNIT–I:						
1	5	Oscar Wilde : The Model Millionaire	L			
2	5	Swami Vivekananda : The Idea of Our Womanhood	L			
UNIT-II:						
3	5	Pearl S.Buck : The Refugees	L			
4	5	Swami Vivekananda : Indian Women and Western Women	L			
UNIT–III						
5	5	BHISHAM Sahni : The Boss Came to Dinner				
6	5	Swami Vivekananda: Education of Our Women				
UNIT-IV						
7	5	Geeta Goswami : The Lost Shore				
8	5	Swami Vivekananda : Thoughts on Marriage				
UNITV						
9	5	Alphonse Daudet : The Old Folks at Home				
10	5	Swami Vivekananda: Position and Prospect of Our Women				
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	UNITI-UNITV		CT		
Final Evaluation (FE)						
1	10	Entire course				FE

Head of the Department

Signature of the Staff Member

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

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

DEPARTMENT OF ENGLISH

Teaching Plan

Name of the Staff: Mrs. C.Thenmozhi

Programme: M.A English Academic Year : 2020 - 2021

Semester: I semester Course Code: P21ELC101

Course Title: Modern Literature I (1400 -1660)

Objectives:

To expose students to the evaluation of English poetry in the age of Chaucer

To introduce the students to the characteristics of metaphysical poetry

To makes students learn the origin of English essays

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)			2 hr per unit (for 5 units)		10
Seminar/problem solving/class work(S)			1 hour per unit(for 5 units)		05
Final Evaluation (FE)			10 hrs (Rehearsal)		10
Hrs per week	6	Credit	4	Total	90

SL.NO	HOUR	UNIT –CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit-I						
1	3	Introduction to Geoffrey Chaucer	L			
2	5	The Prologue to the Canterbury Tales	L			
3	2	Introduction to Edmund Spencer	L			
4	3	Epithalamion	L			
UNIT –II						
5	4	John Donne - "The Flea"	L			
6	4	Andrew Marvell - " To His Coy Mistress"	L			
7	2	Geroge Herbert - "The Pulley"	L			
8	3	Henry Vaughan - "The Retreat"	L			
UNIT III						
9	2	Introduction to Francis Bacon	L			
10	2	Of Truth	L			
11	2	Of Great Place	L			
12	2	Of Parents and Children	L			
13	3	The Bible	L			
14	2	Chapters 5to 7 from the Gospel of Matthew	L			
UNIT IV						
15	6	Christopher Marlowe - The Jew of Malta	L			
16	7	John Webster - The White Devil	L			
UNIT V						
17	6	Ben Jonson - Every Man in His Humour	L			
18	7	Thomas Kyd - The Spanish Tragedy	L			
Seminar						
1	5	UNIT I TO UNIT V			S	
Class Test						
1	10	UNIT I-UNIT V		CT		
Final Evaluation (FE)						
1	10	Entire course				FE

Head of the Department

Signature of the Staff Member

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

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

DEPARTMENT OF ENGLISH

Teaching Plan

Name of the Staff: Mrs. C.Thenmozhi

Programme : I B.A

Academic Year : 2020 -2021

Semester : I Semester

Course Code : 18ELC203

Course Title : Poetry I

Objectives:

To introduce students to the changing trends in English poetry.

To help students analyze and appreciate poetry critically

Teaching Methodology			**Distribution of hours/Unit**		**Total Hours of Instruction**
Traditional Chalk and Talk Method [L]			8 hours per unit (for 5 units)		40
Evaluation –Class Tests (CT)			1 test per unit(for 5 units)		05
Seminar/problem solving/class work(S)			1 hour per unit(for 5 units)		05
Group discussion			1 hour per unit(for 5 units)		05
Final Evaluation (FE)			5 hours (Rehearsal)		05
Hours per week	4	Credit	5	Total	60

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

SL.NO	HOURS	UNIT -CONTENT	MODE OF TEACHING			
			L	CT/CW	S	FE
Unit-I						
1	4	Edmund Spenser : Amoretti LXXV	L			
2	4	William Shakespeare " Sonnet Fear No More the Heart of the Sun	L			
Unit-II						
3	4	John Donne : A hymn to God the Father	L			
4	4	Andrew Marvel : A Dialogue between the Soul and Body	L			
Unit – III						
5	3	John Milton " Paradise Lost	L			
6	5	John Dryden : A Song of St.Cecillia's Day	L			
Unit – IV						
7	5	Alexander Pope : The Universal Prayer	L			
8	3	Oliver Goldsmith : The Village Preacher	L			
Unit – V						
9	4	William Blake : The Human Abstract	L			
10	4	Thomas Hardy : Ode on the Spring	L			
Seminar						
1	5	UNIT-I,UNIT-II,UNIT-III,UNIT-IV&UNIT-V			S	
Class Test						
1	5	UNIT-I,UNIT-II,UNIT-III,UNIT-IV&UNIT-V		CT		
Final Evaluation (FE)						
1	5	Entire course				FE

Head of the Department

Signature of the Staff Member

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

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

DEPARTMENT OF ENGLISH

EVEN SEMESTER

Teaching Plan

Name of the Staff: Mrs.C.Thenmozhi

Programme: I B.A, English

Academic Year : 2019-2020

Semester: II Semester

Course Code : U18EL2A3

Course Title: Literary Forms

Objectives:

- To initiate students into the study of various literary forms. To enable students to understand the literary terms while analyzing and interpreting the works of literature.

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	3	Total	60

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

SL.NO	HOURS	UNIT –CONTENT	MODE OF TEACHING			
			L	CT/CW	S	FE
		Unit-I- Poetry				
1	8	Ballad-Epic and Mock Epic-Dramatic Monologue	L			
2	7	Limerick-Lyric-Ode-Elegy-Pastoral Elegy-Sonnet	L			
		Unit-II-Poetry				
3	8	Rhyme - Meter -Stanza Form Types of Verse-Figures of Speech-Imagery Simile and Metaphor-Personification-Onomatopoeia	L			
4	7	Alliteration-Apstrophe-Hyperbole-Oxymoron-Allegory-Allusion-Irony and Metronome	L			
		Unit – III-Drama				
5	5	The Origin and Growth of Drama in England-Tragedy and Comedy-Dramatic Design	L			
6	4	Romantic Tragedy and Romantic Comedy-Tragicomedy-Chronicle Plays-Masque and Antimasque	L			
7	6	Comedy of Humours-Comedy of Manners-Genteel Comedy- Sentimental Comedy-Farce-Melodrama-Expressionist Drama-Absurd Drama-One-Act Play.	L			
		Seminar				
1	3	UNIT-I,UNIT-II&UNIT-III			S	
		Class Test				
1	3	UNIT-I,UNIT-II&UNIT-III		CT		
		Text Book Assignment				
1	3	UNIT-I,UNIT-II&UNIT-III		CW		
		Group Discussion				
1	3	UNIT-I,UNIT-II&UNIT-III		CW		
		Final Evaluation (FE)				
1	3	Entire course				FE

Head of the Department

Signature of the Staff Member

Co-ordinator
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Kumbakonam- 612 001

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

DEPARTMENT OF ENGLISH

Teaching Plan

Name of the Staff: Mrs. C.Thenmozhi

Programme: B.A English

Academic Year: 2020 -2021

Semester: VI semester

Course Code: 18ELC613

Course Title: Common Wealth Literature

Objectives:

To introduce students to the literature of a few commonwealth countries

To enable students to learn values of literature of different nations.

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)			2 hr per unit (for 5 units)		10
Seminar/problem solving/class work(S)			1 hour per unit(for 5 units)		05
Final Evaluation (FE)			10 hrs (Rehearsal)		10
Hrs per week	6	Credit	4	Total	90

SL.NO	HOUR	UNIT –CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit-I (Poetry)						
1	3	Sir.Charles G.D Roberts : The Solitary Woodsman	L			
2	5	Razia Khan : My Daughter's Boyfriend	L			
UNIT –II (Poetry)						
5	4	Allen Curnow : House and Land	L			
6	4	E.J Pratt : The Dying Eagle	L			
UNIT III (Prose)						
9	2	Margaret Atwood : Nature as a Monster	L			
10	2	Margaret Atwood : A Thematic Guide to Canadian Literature	L			
UNIT IV (Drama)						
15	6	Wole Soyinka : The Road	L			
UNIT V (Fiction)						
17	6	Chinue Achebe : Things Fall Apart	L			
Seminar						
1	5	UNIT I TO UNIT V			S	
Class Test						
1	10	UNIT I-UNIT V		CT		
Final Evaluation (FE)						
1	10	Entire course				FE

Head of the Department

Signature of the Staff Member

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

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

DEPARTMENT OF ENGLISH

Teaching Plan

Name of the Staff: Mrs. C.Thenmozhi

Programme: M.A English

Academic Year : 2020-2021

Semester: II semester

Course Code: P21ELC205

Course Title: Modern Literature III

objectives:

To make the students appreciate the characteristics of the novels of Scott

Teaching Methodology			**Distribution of hours/Unit**		**Total Hours of Instruction**
Traditional Chalk and Talk Method [L]			11 hrs per unit (for 5 units)		60
Evaluation –Class Tests (CT)			2 hr per unit (for 5 units)		10
Seminar/problem solving/class work(S)			2 hour per unit(for 5 units)		10
Group discussion			1 hr per unit for 5 units		05
Final Evaluation (FE)			5 hrs (Rehearsal)		05
Hrs per week	6	Credit	5	Total	90

SL.NO	HOUR	UNIT – CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit-I						
1	4	William Wordsworth : Ode to the Intimation of Immortality	L			
2	4	S.T.Coleridge : Rime of the Ancient Mariner	L			
3	2	Walter Scott : Lochinvar	L			
Unit-II,						
4	3	John Keats : Ode to a Nightingale	L			
5	4	P.B.Shelley : The Cloud	L			
6	3	Lord Byron : Youth and Age	L			
Unit – III						
7	5	Charles Lamb : A Dissertation Upon a Roast Pig	L			
8	5	William Hazlitt : On Reading Old Books	L			
UNIT –IV						
9	3	P.B Shelley : Prometheus	L			
UNIT –V						
15	4	Jane Austen : Emma	L			
16	3	Walter Scott : Ivanhoe	L			
ACTIVITIES						
17	3	UNIT-I		CT		
18	3	UNIT-II		CT		
19	4	UNIT-III,IV and V		CT		
20	10	UNIT I, II, III, IV and V			S	
21	5	Entire paper (Final Evaluation)				FE

Head of the Department

Signature of the Staff Member

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

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS) –

KUMBAKONAM

DEPARTMENT OF ENGLISH

Teaching Plan

Name(s) of the Staff: Dr.G.Kamatchi

Programme: I B.A History E/M (S-II) Academic Year: 2020-2021

Semester: II Semester Course Code: 17GE2

Course Title: Communication Skills-II

Objectives:

- To use English effectively for study purpose across the curriculum; to develop and integrate the use of the four language skills i.e., Reading, Listening, Speaking and Writing.

Teaching Methodology			**Distribution of hours/Unit**		**Total Hours of Instruction**
Traditional Chalk and Talk Method [L]			14 hours per unit (for 5 units)		70
Text Book Assignment			2 hours for 5 units		02
Evaluation –Class Tests (CT)			1 test per unit(for 5 units)		05
Seminar/problem solving/class work(S)			1 hour per unit(for 5 units)		05
Vocabulary lists (dictation)			1 hour per unit(for 5 units)		05
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

SL. NO	HOURS	UNIT -CONTENT	MODE OF TEACHING			
			L	CT/ CW	S	FE
Unit-I						
1	4	The Game of Her Life-ParmeshDangwal	L			
2	4	The Eternal Silence of These Infinite Crowds-NiradChaudhari	L			
3	3	The Road Not Taken- Robert Frost	L			
4	3	Letter Writing	L			
Unit-II						
5	6	On Being Hard Up-Jerome K. Jerome	L			
6	5	My Grandmother's House-Kamala Das	L			
7	3	Fax and E-mail	L			
Unit-III						
8	5	Sorrows of Childhood- Charles Chaplin	L			
9	5	Bishop Hatto and the Rats-Robert Southey	L			
10	4	Application Letter and Curriculum Vitae	L			
Unit – IV						
11	5	Mr. Know All-Somerset Maugham	L			
12	5	On Killing A Tree-Gieve Patel	L			
13	4	Common Errors in English	L			
Unit – V						
14	5	Ardhanari- C.Rajagopalachari	L			
15	5	Elegy Written in a Country Churchyard-Thomas Gray	L			
16	4	Idioms	L			

Seminar						
1	5	UNIT-I,UNIT-II,UNIT-III,UNIT-IV&UNIT-V			S	
Class Test						
1	5	UNIT-I,UNIT-II,UNIT-III,UNIT-IV&UNIT-V		CT		
Text Book Assignment						
1	2	UNT-I, UNIT -II,UNIT-III,UNIT-IV &UNIT-V		C W		
Vocabulary lists(written)						
1	5	UNT-I, UNIT -II,UNIT-III,UNIT-IV &UNIT-V		C W		
Final Evaluation (FE)						
1	3	Entire course				FE

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

Teaching Plan

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

Programme: B.A English Academic Year: 2020-2021

Semester: VI Semester Course Code: 18ELC611

Course Title: Indian Writing in English

Objectives: To understand the different features of Neoclassicism and its influence on English society also the students will acquire knowledge about the three basic genres of literature namely poetry, prose ,drama and fiction.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			5 hrs per unit (for 5units)		25
Evaluation –Class Tests (CT)			3 hr per unit (for 5 units)		15
Seminar/problem solving/class work(S)			3 hour per unit(for 5 units)		15
Tutorial			3 hour per unit(for 5 units)		15
Reading aloud			2hr for 5 units		10
Group discussion			1 hr for 5 units		5
Final Evaluation (FE)			5 hrs (Rehearsal)		5
Hrs per week	6	Credit		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	CT	S	FE
Unit-I						
1	5	Henry Derozio: The Harp of India	L			
2	5	Sarojini Naidu: Love and Death	L			
Unit-II						
3	5	Nissim Ezekiel: Poet, lover, Birdwatcher	L			
4	5	A.K. Ramanujan: Of Mothers, Among other Things	L			
Unit – III						
5	10	M.K. Gandhi: Playing the English Gentleman A.P.J. Abdul Kalam: The Power of Prayer	L			
UNIT IV						
6	5	Vijay Tendulkar: Kamala	L			
UNIT V						
7	10	Arundhati Roy: God of Small Things	L			
ACTIVITIES						
6	10	UNIT-I, UNIT-II, UNIT III, UNIT-IV and UNIT-V		CT		
7	2	UNIT I, II, III, IV, and V			S	
8	2	Entire paper (Final Evaluation)				FE

Head of the Department

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

Signature of the Staff Member

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: A .JEYACHITRA

Programme: M.COM

Academic Year: 2020-2021

Semester: I semester

Course Code: P18COC103

Course Title: ACCOUNTING FOR DECISION MAKING

Objectives:

- To understand the various accounting concepts, tools and techniques for managerial decisions in business.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			12 hour per unit (for 5 units)		60
ICT Enabled Lectures [I]			-----		-----
Practical Demonstration[P]			-----		-----
Tutorial (T)			-----		-----
Field visit (FV)			-----		-----
Group discussion			-----		-----
Evaluation –Class Tests (CT)			2 test per unit(for 5 units)		10
Seminar/problem solving/class work(S)			3 hrs for 5 units		15
Creating awareness about the latest developments of quantum commerce in current research sector (CA)			-------		---
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

SL.NO	HOUR	UNIT –CONTENT	MODE OF TEACHING			
			L	CT	S	FE
		UNIT –I:Management Accounting and Ratio Analysis				
1	4	Marginal costing-bread even analysis –.	L			
2	4	applications of marginal costing	L			
3	4	Key factor decision-make or buy, plant merger decision and product mix or sales mix	L			
		UNIT - II: Marginal Costing				
4	4	Standard costing – meaning, objectives and variance analysis	L			
5	3	Material cost & labour cost	L			
6	3	Overhead cost variances	L			
7	2	Sales variance and profit variance	L			
		UNIT – IIIBudgeting and budgeting control				
8	5	Budget and budgetary control	L			
9	5	Classification of budgeting	L			
10	2	Zero base budgeting	L			
		UNIT - IV: Process costing				
11	3	Operating and operation cost-meaning and advantages	L			
12	3	Classification and computation of cost unit in road transport business	L			
13	3	Power house or boiler house costing & hospital costing	L			
14	3	Canteen costing and hostel costing	L			
		UNIT - V: Non Integral accounting				
15	3	Process costing-meaning, advantages and disadvantages	L			
16	3	Costing procedure, importance, process losses	L			
17	3	Inter process profits, work in progress and equivalent production	L			
18	3	Joint product costing and by product and further processing decisions	L			
		PROBLEM SOLVING				
1	3	UNIT I : marginal costing			S	
2	3	UNIT II: material and labour costing			S	
3	3	UNIT III: budgeting			S	
4	2	UNIT IV: hospital costing			S	
5	4	UNIT V : inter process and joint product costing			S	
		Class Test				
1	10	UNIT I to UNIT V		CT		
		Final Evaluation (FE)				
1	5	Entire 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.

A. Jeyaseeli

Signature of the Staff Member(s)

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

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: 2020-2021

Semester: III semester

Course Code: P18CO3EC3T

Course Title: COMPUTER APPLICATIONS IN BUSINESS

Objectives:

- To make the students to understand the computer applications in business.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			12 per unit(1 to 5)		60
ICT Enabled Lectures [I]			------		------
Practical Demonstration[P]			5 hours per unit (for 5 units)		25
Tutorial (T)			--------		------
Field visit (FV)			--------		-------
Group discussion			--------		-------
Evaluation –Class Tests (CT)			------		-----
Seminar/problem solving/class work(S)			------		----
Creating awareness about the latest developments in current research sector (CA)			-------		--------
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

SL.NO	HOUR	UNIT –CONTENT	MODE OF TEACHING			
			L	CT	S	FE
		UNIT –I: Ms Excel				
1	4	Introduction- menu, command	L			
2	4	Tool bars	L			
3	4	their icons – functions	L			
		UNIT - II: Ms Access				
4	3	Introduction - part of an access window	L			
5	3	Creating a database, Relationships	L			
6	3	Creating table through design view,	L			
7	3	Relationship, Query, Form, Reports	L			
		UNIT - III: Ms Power Point				
8	4	Introduction– menu	L			
9	4	Toolbars	L			
10	4	Functions	L			
		UNIT - IV: Tally				
14	4	Fundamental of computerized accounting Computerized accounting Vs Manual accounting	L			
15	4	Creation of a New Company, creation of groups	L			
16	4	Ledger - Voucher entry	L			
		UNIT - V: Tally				
19	3	Reports - Features - Day books	L			
20	3	Balance sheet - profit & loss a/c	L			
21	3	Trial Balance - Ratio Analysis	L			
22	3	Cash flow - Fund flow statements	L			
Seminar / Problem solving/ Class Work						
1	1	Ms Excel and its features			CW	
2	1	Ms Access and its parts			CW	
3	1	Slide show and slide transition			CW	
4	1	Company creation			CW	
5	1	Reports, feature and ratio analysis			CW	
		PRACTICAL TEST				
1	25	Unit I – Unit II		CT		
		Final Evaluation (FE)				
1	5	Entire Course				FE

Head of the Department

Signature of the Staff Member(s)

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: R.ANUSUYA

Programme: B.COM

Academic Year: 2020-2021

Semester: II semester

Course Code: 18CO2A3

Course Title: MARKETING MANAGEMENT

Objectives:

- To provide basic knowledge of concepts, principles , tools and techniques of marketing

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			12 hours per unit		65
ICT Enabled Lectures [I]					
Practical Demonstration[P]					
Tutorial (T)					
Field visit (FV)					
Group discussion					
Evaluation –Class Tests (CT)			5 hours per unit		2
Seminar/problem solving/class work(S)			5 hours per unit		5
Creating awareness about the latest developments of quantum commerce in current research sector (CA)					
Final Evaluation (FE)			3 hours per unit		3
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	HRS	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
UNIT –I:						
1	2	Introduction, Meaning, definition	L			
2	2	Evaluation of marketing concept	L			
3	3	Features of marketing	L			
4	3	Functions of marketing	L			
5	3	Market segmentation	L			

		UNIT - II:				
6	2	Buyer behavior: determination of consumer buying behaviour	L			
7	3	Product, classification of product, product policy.	L			
8	3	Product mix, factors influencing, product mix, major product mix.	L			
9	2	Product life cycle, product development.	L			
10	2	Product diversification, elimination.	L			
		UNIT - III:				
12	2	Introducing price, objectives.	L			
13	3	Factors determining pricing.	L			
14	3	Producers for pricing determination.	L			
15	3	Pricing policy.	L			
16	3	kinds of pricing	L			
		UNIT - IV:				
17	2	Promotion, channels of distribution. kinds of middle man.	L			
18	3	Services rented by wholesaler and retailer.	L			
19	2	Form of promotion, sales promotion.	L			
20	3	Personal selling, publicity public reaction.	L			
21	4	Advertising, media, advantage and disadvantage.	L			
		UNIT - V:				
22	2	Modern marketing, E marketing, business model associated with E marketing.	L			
23	2	Web site associated with E marketing.	L			
24	3	E marketing benefits and limitation, scope of E marketing.	L			
25	3	Green marketing digital marketing.	L			
26	2	Online marketing.	L			
		Seminar				
1	1	Unit 1: function of marketing			S	
2	1	Unit 2: product life cycle, new product development.			S	
3	1	Unit 3: Kinds of pricing.			S	
4	1	Unit 4: Personal selling, sales promotion.			S	
5	1	E marketing benefits, limitation, online marketing.			S	
		Class Test				
1	2	Unit 1 – Unit 2		C.T		
		Final Evaluation (FE)				
1	5	Entire course				F.E

Head of the Department

Signature of the Staff Member(s)

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

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

Programme: M.COM

Academic Year: 2020-2021

Semester: IV semester

Course Code: P18CO4EC4

Course Title: **ORGANISATIONAL BEHAVIOR**

OBJECTIVES : To develop an in depth understanding of organization behavior and learn how People behave under different condition

Teaching Methodology			**Distribution of hours/Unit**		**Total Hours of Instruction**
Traditional Chalk and Talk Method [L]			15 hour per unit (for 5 units)		75
ICT Enabled Lectures [I]			-----		-----
Practical Demonstration[P]			-----		-----
Tutorial (T)			-----		----
Field visit (FV)			-----		-----
Group discussion					
Evaluation –Class Tests (CT)			5 test per unit		05
Seminar/Creativity/class work(S)			(for 5 units)		07
Final Evaluation (FE)			3 hrs (Rehearsal)		03
Hrs per week	6	Credit	4	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	CT	S	FE
		UNIT –I:INTRODUCTION TO ORGANIZATIONAL BEHAVIOR				
1	4	Meaning and definition of organizational behavior – characteristics	L			
2	3	nature - organizational behavior and other fields of study	L			
3	4	approaches to the study of organizational behavior	L			
4	2	process of behavior	L			
5	2	models of organizational behavior.	L			

UNIT - II: INDIVIDUAL BEHAVIOR						
6	3	Individual behavior – factors affecting behavior	L			
7	3	personality – theories of personality	L			
8	3	perception – nature and importance	L			
9	3	factors influencing the perceptual set	L			
10	3	barriers to perceptual accuracy	L			
UNIT – III GROUP DYNAMICS						
11	4	Group dynamics – definition – theories of group formation	L			
12	2	factors affecting group performance	L			
13	4	group cohesiveness – factors influencing group cohesiveness	L			
14	3	consequences of cohesiveness	L			
15	2	group development	L			
UNIT – IV WORK STRESS						
16	3	Work stress – meaning and definition – work stress model	L			
17	2	stress management	L			
18	4	individual strategiesand organizational strategies,	L			
19	3	stress and performance	L			
20	3	formulation of group behavior	L			
UNIT - V: CONFLICT AND NEGOTIATION						
21	4	Conflict and Negotiation – meaning – nature of conflict	L			
22	2	positive and negative conflict	L			
23	3	levels of conflict – process of conflict	L			
24	3	conflict management styles	L			
25	3	managerial implication	L			
SEMINAR						
1	1	UNIT I : process of behavior			S	
2	1	UNIT II: theories of personality			S	
3	2	UNIT III: consequences of cohesiveness			S	
4	1	UNIT IV: stress management			S	
5	2	UNIT V: levels of conflicts.			S	
Class Test						
1	5	UNIT I to UNIT V		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: Dr. M. Maheswari

Programme: B.com

Academic Year: 2020-2021

Semester: II Semester

CourseCode: P21CO2MBE2.2

Course Title: RETAIL MARKETING

Objectives:

- Creating and developing products that meet the specific needs of customers

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			12 hour per unit (for 5 units)		60
ICT Enabled Lectures [I]			-----		-----
Practical Demonstration[P]			-----		-----
Tutorial (T)			-----		----
Field visit (FV)			-----		-----
Group discussion					
Evaluation –Class Tests (CT)			5 test per unit		05
Seminar/problem solving/class work(S)			(for 5 units)		22
Creating awareness about the latest developments in current research sector (CA)			-------		---
Final Evaluation (FE)			3 hrs (Rehearsal)		03
Hrs per week	5	Total	90	Total	

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

	HOUR	UNIT –CONTENT	MODE OF TEACHING			
			L	CT	S	FE
		UNIT-I : RETAIL MARKETING				
1	2	Meaning and definition of Retail marketing	L			
2	3	Functions and Characteristics of Retailers	L			
3	3	Types of Retailers, Retail location, Strategies, Branding in Retailing	L			
4	3	Brand positioning and Brand name	L			
5	2	Brand Awareness and its advantages	L			
		UNIT - II:RETAIL PROMOTION				
6	2	Retail promotion, Promotion advertising	L			
7	3	Sales Promotion, Objectives and Types	L			
8	3	Consumerism, Reason for consumerism	L			
9	3	Evaluation of legislation for consumer protection	L			
10	2	E-tailing in India, Reason for Growth, Challenges to E-tailing.	L			
		UNIT – III: SUPPLY CHAIN MANAGEMENT				
11	2	Supply chain management	L			
12	2	Supply chain structure	L			
13	2	Objectives of Supply chain structure	L			
14	3	Problems of Supply chain structure	L			
15	2	Services of Wholesalers	L			
16	2	Retail logistics	L			
		UNIT – IV: INTERNATIONAL RETAILING				
17	2	International retailing Meaning and Definition Development of international retailing	L			
18	3	Factors motivating retailers to Internationalization	L			
19	2	Push factors, Pull factors Concept of International retailing	L			
20	3	Measuring retail structures, Entry methods	L			
21	3	Factors determing market entry strategy	L			
		UNIT - V: INFORMATION TECHNOLOGY				
22	3	Role of information technology in retailing	L			
23	3	Competitive advantages	L			
24	2	Limitations	L			
25	2	System	L			
26	3	Online Retailing	L			
		Seminar				
1	1	UNIT-I Characteristics of Retailers			S	
2	1	UNIT-II Consumerism			S	
3	1	UNIT-III Services of Wholesalers			S	
4	1	UNIT – IV Concept of International Retailing			S	
5	1	UNIT-V Limitations			S	
		Class Test				
1	5	UNIT I-UNIT V		CT		
		Final Evaluation (FE)				
1	3	Entire course				FE

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

Teaching Plan

Name(s) of the Staff: S.USHA

Programme: B.Com

Academic Year: 2020-2021

Semester: III semester

Course Code:18CO3A4

Course Title:**BUSINESS LAW**

Objectives:

- To enable the Students gain knowledge about Business Law and its 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
ICT Enabled Lectures [I]			-----		-----
Practical Demonstration[P]			-----		-----
Tutorial (T)			-----		-----
Field visit (FV)			-----		-----
Group discussion			----		----
Evaluation –Class Tests (CT)			5 test per unit		05
Seminar/problem solving/class work(S)			1 hour per unit(for 3 units)		03
Creating awareness about the Business law and in Sale of goods (CA)			1 hour per unit(for 2 units)		02
Final Evaluation (FE)			----		----
Hrs per week	5	Credit	4	Total	75

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

SL.NO	HOUR	UNIT –CONTENT	MODE OF TEACHING			
			L	CT	S	CA
		UNIT –I				
1	2	Indian Contract act- Introduction, Sources of mercantile law	L			
2	3	Nature and Kinds of contract, Offer and acceptance,	L			
3	3	Capacity of Parties, Free consent, Legality og Object	L			
4	3	Void Agreements	L			
5	2	Contingent contracts	L			
		UNIT – II				
6	4	Performance of contract- Discharge of contract	L			
7	5	Remedies for Breach of contract	L			
8	4	Quasi contract	L			
		UNIT – III				
9	3	Idemnity and Guarantee	L			
10	3	Bailment and pledge	L			
11	3	Law of Agency	L			
12	2	Creation	L			
13	2	Types of Agency	L			
		UNIT – IV				
14	2	Sale of Goods Act- introduction	L			
15	3	Conditions and warranties	L			
16	2	Passing of property in goods	L			
17	3	Performance of contract of sale	L			
18	3	Rights of unpaid seller	L			
		UNIT –V				
19	3	Law of partnership- characteristics	L			
20	3	Registration and effects of Non Registration	L			
21	2	Rights and Duties of partners, Types of partners	L			
22	2	Reconstitution of a Firm, dis solution Settlement of Accounts	L			
		Seminar				
1	1	Unit-II Performance of contract			S	
2	1	Unit III- Types of Agencies			S	
3	1	Unit IV- Sale of Goods Act			S	
		Class Test				
1	5	Unit I to V		CT		
		FINAL EVALUATION				
1	2	Entire course				FE

Head of the Department

Signature of the Staff Member(s)

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS

Teaching Plan

Name(s) of the Staff: Mrs.K.Karpagam

Programme: B.SC., MATHEMATICS (T.M) Academic Year: 2020-2021

Semester: I semester Course Code: U21MC101

Course Title: DIFFERENTIAL AND INTEGRAL CALCULUS

Objectives:

1. To expose the students to various techniques of integration.
2. To study concepts of definite integrals.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk 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 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			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.NO	HOUR	UNIT –CONTENT	MODE OF TEACHING			
			L	CT	S	FE
		Unit-I				
1	2	Methods of Successive Differentiation	L			
2	3	Leibnitz's Theorem	L			
3	3	Leibnitz's Theorem and its applications	L			
4	3	Increasing and Decreasing functions.	L			
5	2	Increasing and Decreasing functions and problems	L			
		Unit-II				
6	2	Curvature	L			
7	3	Radius of Curvature	L			
8	3	Cartesian and in polar coordinates	L			
9	3	Centre of curvatur	L			
10	2	Evolutes and Involutes	L			
		Unit – III				
12	2	Properties of definite Integrals	L			
13	2	Properties of definite Integrals and problems	L			
14	2	Integration by parts	L			
15	3	Integration by parts and problems	L			
16	2	Reduction formulae	L			
17	2	Reduction formulae and problems	L			
		Unit – IV				
18	2	Double Integrals	L			
19	3	Double Integrals and problems	L			
20	2	Changing the order of Integration	L			
21	3	Changing the order of Integration and problems	L			

22	3	Triple Integrals and problems	L			
		Unit – V				
23	3	Beta and Gamma functions	L			
24	3	Beta and Gamma functions and problems	L			
25	2	Integration using Beta functions	L			
26	2	Integration using Gamma functions	L			
27	3	Integration using Beta and Gamma functions and problems	L			
		Seminar				
1	1	UNIT-I Leibnitz's Theorem			S	
2	1	UNIT-II Radius of Curvature			S	
3	1	UNIT –III Properties of definite Integrals			S	
4	1	UNIT – IV Double Integrals and problems			S	
5	1	UNIT-V Beta and Gamma functions and problems			S	
		Class Test				
1	5	UNIT I - UNIT V		CT		
		Final Evaluation (FE)				
1	3	Entire course				FE

S. Rajkumari
Head of the Department

Signature of the Staff Member(s)

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Teaching Plan

Name(s) of the Staff: Mrs.S.Kiruthika

Programme: B.Sc Physics

Academic Year: 2020-2021

Semester: V semester

Course Code : 18PH5EC3

Course Title: SPECTROSCOPY AND LASER PHYSICS

Objectives:

- To understand the basic concepts of Microwave, Raman and IR Spectroscopy and the associated Instrumental Techniques.
- To introduce the physical and engineering principles of laser operation and their applications.

Teaching Methodology				**Distribution of hours/Unit**	**Total Hours of Instruction**	
Traditional Chalk and Talk Method [L]				13hrs per unit (for 5 units)	65	
Evaluation –Class Tests (CT)				1 hr per unit (for 5 units)	05	
Seminar/problem solving/class work(S)				1 hour (for 5 units)	01	
Creating awareness about the latest developments of Spectroscopy in current research sector (CA)				1 hour (for 5 units)	01	
Final Evaluation (FE)				3 hrs (Rehearsal)	03	
Hrs per week	5	Credit	4		Total	75

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

SL.NO	HOUR	UNIT –CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit-I:Spectroscopy						
1	2	Electromagnetic Radiation - Interaction of Electromagnetic radiation with matter	L			
2	2	Absorption Spectra	L			
3	3	Emission Spectra - Fraunhoffer line	L			
4	3	Molecular Spectroscopy	L			
5	3	Quantization of different forms of Energies in molecules	L			
Unit-II :MICROWAVE SPECTROSCOPY						
6	2	Microwave Spectroscopy - Principle ,Types of rotation	L			
7	3	Intensity of Spectral lines , Effect of Isotopic substitution	L			
8	3	Rigid rotator and its spectrum	L			
9	3	Linear and symmetric top molecules	L			
10	2	Microwave Spectrometer	L			
Unit – III :INFRARED SPECTROSCOPY						
11	3	Vibrating diatomic molecule - Harmonic Oscillator	L			
12	2	Anharmonic Oscillator	L			
13	2	Vibrating Rotator	L			
14	3	Interaction of vibrational and rotational energy	L			
15	3	IR Spectrometer, Applications of IR	L			
Unit – IV :RAMAN SPECTROSCOPY						
16	2	Raman Effect - Theory	L			
17	3	Rotational Raman Spectra and its types	L			
18	3	Vibrational Raman Spectra	L			

19	3	Structure determination from Raman and IR Spectrum	L			
20	2	Raman Spectrometer	L			
Unit – V LASER PHYSICS						
21	2	Population Inversion - Pumping Processes	L			
22	3	Threshold condition - Quantum yield	L			
23	3	Three level Laser system -Ruby Laser	L			
24	3	Four level Laser - Carbon dioxide Laser - ND_YAG Laser	L			
25	2	He-Ne Laser, Applications of Laser	L			
Seminar						
1	1	UNIT-I Electromagnetic Radition and Spectrum			S	
Creating Awareness						
1	1	Creating awareness about higher studies/Current trends in Science & Technology	CA			
Class Test						
1	5	UNIT I-UNIT V		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

Signature of the Faculty

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Teaching Plan

Name(s) of the Staff: B.JEEVA

Programme: B.Sc Physics

Academic Year: 2020-2021

Semester: V semester

CourseCode: 18PHC508

Course Title: CC VIII :ATOMIC PHYSICS

Objectives:

- To understand the fundamental properties of positive rays.
- To learn photo conductivity and their applications.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
ICT Enabled Lectures [I]			13 hrs per unit (for 5 units)		65
Evaluation –Class Tests (CT)			5 test per unit		05
Seminar			1 hour per unit(for 5 units)		02
Final Evaluation (FE)			3 hrs (Rehearsal)		03
Hrs per week	5 hrs	credits	5	Total	75

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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			ICT	CT	S	FE
Unit-I Positive ray analysis						
1.	3	Properties of positive rays -e/m of positive rays	ICT			
2	3	Thomson`s parabola method	ICT			
3	3	Aston`s method-ainbridge`s method	ICT			
4	3	Dempster`s mass spectrograph	ICT			
5	3	Determination of masses- Isotopes	ICT			
Unit-II Photo electricity						
6	3	Photo electric emission – Laws-Lenard`s experiment	ICT			
7	3	Einstein`s photo electric equation	ICT			
8	3	Experimentalverification of Einstein`s photo electric equation by Milikan`s experiment	ICT			
9	3	Photo conductive and photo voltaic cells	ICT			
10	3	Photo electric cells-photoemissive -application	ICT			
Unit – III Vector atom model						
11	3	Salient features of Vector atom model	ICT			
12	3	L-S and j-j couplings-Pauli`s exclusion principle	ICT			
13	3	Electronic configuration of elements and perodic classification	ICT			
14	3	Magnetic dipole moment of electron due to orbital spin motion	ICT			
15	3	Stern Gerlach Experiment	ICT			
Unit – IV Atomic spectra						
16	3	Introduction to spectral terms and notations	ICT			
17	3	Selection rules-Intensity rule and interval rule	ICT			
18	3	Finestructure in alkali spectra -Zeeman effect	ICT			

19	3	Debye`s quantum mechanical explanation of the normal zeeman effect -Anamolous Zeeman effect	ICT			
20	3	Lande`s g factor and Paschen Back effect	ICT			
		Unit – V				
21	3	Introduction to X-rays -Bragg`s law	ICT			
22	3	Bragg`s X-ray spectrometer	ICT			
23	3	Origin and analysis of continuous X-rays spectrum-Characteristics X ray spectrum	ICT			
24	3	Mosley`s law and its importance – Compton effect	ICT			
25	3	Derivation of expression for change in wavelength -its experimental verification	ICT			
		Seminar				
1	1	UNIT-I Aston`s method-ainbridge`s method			S	
2	1	UNIT-II Einstein`s photo electric equation			S	
3	1	UNIT-III Pauli`s exclusion principle			S	
4	1	UNIT-IV Finestructure in alkali spectra -Zeeman effect			S	
5	1	UNIT-V Mosley`s law and its importance – Compton effect			S	
		Class Test				
1	1	Thomson parabola meyhod		CT		
2	2	L-S and J-J Couplings				
3	2	Eisteins photo electric equation				
		Final Evaluation (FE)				
1	5	Entire course				FE

Signature of the Faculty

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

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Teaching Plan

Name(s) of the Staff:Dr.Thilagavathi

Programme: M.Sc., Physics Academic Year: 2020-2021

Semester: I semester Course Code:P18PHC103

Course Title: Core III Statistical Mechanics

Objectives:

- To give an insight into basics of statistical Mechanics and Thermodynamics .
- To provide the basic ideas of probability to the students.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
ICT Enabled Lectures [I]			16hrs per unit (for 5 units)		80
Evaluation –Class Tests (CT)			5 test per unit		05
ICE Breaking Creative awareness			1 hour per unit(for 5 units)		02
Final Evaluation (FE)			3 hrs (Rehearsal)		03
Hrs per week	6 hrs	credits	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			
			ICT	CT	S	FE
Unit-I Thermodynamics						
1.	2	Energy and first law of thermodynamics	ICT			
2	2	Heat content and heat capacity	ICT			
3	2	Specific heat and Entropy and the second law of thermodynamics	ICT			
4	2	Thermodynamical potential and the reciprocity relations	ICT			
5	2	Thermodynamic equilibrium	ICT			
6	2	Nernst heat theorem	ICT			
Unit-II Kinetic theory						
7	2	Postulates of kinetic theory of gases	ICT			
8	2	Maxwell – Boltzmann 's law of distribution of velcities	ICT			
	2	Experimental test of Maxwell's law	ICT			
2	2	Width of spectral lines	ICT			
10	2	Zartman and Ko's experiment ,Transport phenomena	ICT			
11	2	Boltzmann's transport equation,Mean free path,Ising model	ICT			
Unit – III Classical statistical mechanics						
12	2	Phase space,Ensembles and their types	ICT			
13	2	Density of distribution in phase space	ICT			
14	2	Liouville's theorem , statement and proof	ICT			
15	2	Maxwwell Boltzmann distribution equation	ICT			
16	2	Partition fuction ,Principle of equipartition of energy	ICT			

17	2	Canonical and grand canonical ensemble,Connection between partition and thermodynamic quantities,Gibb's paradox.	ICT			
Unit – IV Quantum statistical mechanics						
18	2	Basic concepts of Bose Einstein statistics	ICT			
19	2	Fermi Dirac statistics	ICT			
20	2	Distribution laws,	ICT			
21	2	Application of B-E statistical to Photon gas	ICT			
22	2	Application of F-D statistics to free electron inside conductors	ICT			
Unit – V Application of quantum statistical mechanics						
23	2	Back body , Planck's radiation law	ICT			
24	2	Impacts and utility of planck's law	ICT			
25	2	Liquid Helium and its properties	ICT			
26	2	Liquid He^4 as an example of Bose Einstein condensation	ICT			
27	2	Ideal Fermi gas: Properties of Degeneracy	ICT			
28	2	Electron gas,Pauli's theory of Paramagnetism	ICT			
Class Test						
1	1	Thermodynamical potential and the reciprocity relations		CT		
2	1	Postulates of kinetic theory of gases		CT		
3	1	Maxwwell Boltzmann distribution equation		CT		
4	1	Application of F-D statistics to free electron inside conductors		CT		
5	1	Electron gas,Pauli's theory of Paramagnetism		CT		

6	1	Liouville's theorem , statement and proof		CT		
1 2	1 1	ICE Breaking Creative awareness		IB CA		
Final Evaluation (FE)						
1	3	Entire course				FE

Signature of the Faculty

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IQAC Coordinator

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Teaching Plan

Name of the Staff: Mrs. R. Selvi

Programme: B.Sc., Comp. Science shift –II Academic Year: 2020-2021

Semester: IV semester Course Code: 184AAPH3

Course Title: APPLIED PHYSICS III

Objectives:

* To expose the students towards different number system and their conversion.

*To identify the connection between electricity and magnetism

*To make the student understand the characteristics and applications of FET and transistor

*to acquire the knowledge of operational amplifiers and its applications

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
ICT Enabled Lectures [I]			10hrs per unit (for 5 units)		50
Evaluation –Class Tests (CT)			5 test per unit		05
Seminar/problem solving/class work(S)			1 hour per unit(for 5 units)		02
Final Evaluation (FE)			3 hrs (Rehearsal)		03
Hrs per week	4hrs		4 credits	Total	60

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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			ICT	CT	S	FE
Unit-I Number systems, codes						
1.	3	Number systems, Conversions	ICT			
2	2	Binary addition, subtraction multiplication, division	ICT			
3	2	8421 code –BCD code – Excess 3 code	ICT			
4	2	Gray code , Binary to Gray code and Gray to Binary conversion	ICT			
5	1	ASCII code	ICT			
Unit –II Transistors						
6	2	PNP and NPN Transistors-DC Characteristics of CE Combination	ICT			
7	2	DC Characteristics of CB Combination, Hybrid parameters equation	ICT			
8	2	Functions of transistors as an amplifier and oscillator	ICT			
9	2	FET -Construction and working - Characteristics	ICT			
10	2	FET Amplifier	ICT			
Unit –III Operational Amplifiers						
11	2	Basics of OP-Amp-Inverting and Non inverting Op –Amp	ICT			
12	2	Differential Op-Amp- CMRR	ICT			
13	2	Basic uses of OP-Amp as sign and scale changer, phase shifter	ICT			
14	2	Op-amp Integrator and differentiator, Adder	ICT			
15	2	A/D conversion -counter methods- Op-amp as a comparator	ICT			

Unit - IV Digital Logic circuits						
1 5	3	Logic gates(AND, OR,NOT,XOR ONLY)- Boolean algebra	ICT			
16	2	Demorgan's theorem -Karnaugh map- simplification - two variable SOP	ICT			
17	2	Encoder , Decoder	ICT			
18	2	Half Adder and Subtractor	ICT			
19	1	RS flip flop	ICT			
Unit V Digital components						
20	2	Introduction to Integrated circuits	ICT			
21	2	Fabrication of diodes and transistors,	ICT			
22	2	Basic 2 ino 1 decoder	ICT			
23	2	Multiplexers (1 into 4)	ICT			
24	2	Shift registers (right and left)	ICT			
Class Test						
1	5	UNIT I-UNIT V		CT		
Class Work						
1	2	UNIT I – UNIT V			S	
Final Evaluation (FE)						
1	3	Entire course				FE

Signature of the Faculty

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Teaching Plan

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

Programme: B.Sc Physics Academic Year: 2020-2021

Semester: VI semester Course Code : 18PHC611

Course Title: CC – XI Wave Mechanics and Nuclear Physics

Objectives:

- To introduce the basic concepts of mechanics.
- To deal with the fundamental properties of nucleus and their models.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
ICT Enabled Lectures [I]			13 hrs per unit (for 5 units)		75
Evaluation –Class Tests (CT)			5 test per unit		05
Seminar			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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			ICT	CT	S	FE
Unit-I Duality						
1	3	Introduction, Dual nature, De Broglie waves,	ICT			
2	3	Wave packet , Phase and group velocities,	ICT			
3	3	Davisson Germer experiment , G.P. Thomson experiment	ICT			
4	3	Gamma ray microscope, Uncertainty principle	ICT			
5	3	Non-existence of electron inside the nucleus	ICT			
Unit-II Wave Mechanics						
6	3	Wave function for a free particle	ICT			
7	3	Time independent Schrodinger equation, Physical significance of wave function operators	ICT			
8	3	Eigen value and Eigen function, Postulates, Probability current density, Normalization of wave function	ICT			
9	3	Expectation values, Applications of Schrodinger equation, Free particles	ICT			
10	3	Particles in one dimensional box, One dimensional linear harmonic oscillator	ICT			
Unit – III Nuclear Physics						
11	2	Basic properties of Nuclei, Nuclear size, mass density, radius, charge and spin, Mass defect	ICT			
12	3	Binding Energy, Packing Fraction, Magnetic moments of nucleus, Rutherford's scattering experiments	ICT			
13	3	Radioactivity, properties of α, β, γ rays, Soddy Fregen's Law	ICT			
14	3	Radioactive equilibrium, Laws of Successive disintegration, Half life, Mean Life	ICT			
15	2	Cyclotron, Betterton	ICT			

16	2	Linear accelerator, Geiger Muller Counter	ICT			
Unit – IV Nuclear Models						
17	3	Liquid drop model, Application to fission, Shell model	ICT			
18	3	Magic Numbers, Spin-Orbit coupling, Nuclear reaction, Types	ICT			
19	3	Q-value of nuclear reaction, Nuclear energy	ICT			
20	3	Nuclear fission, Atom bomb, Nuclear fusion, Thermonuclear reaction	ICT			
21	3	Hydrogen bomb, Basic ideas of cold fusion	ICT			
Unit – V Elementary Particles						
22	3	Classification of elementary particles	ICT			
23	3	Particles and antiparticles	ICT			
24	3	Leptons, Mesons, Baryons,	ICT			
25	3	Strange particles, Hyperons	ICT			
26	3	Conservation laws, fundamental interaction, Basic ideas of cold fusion	ICT			
Seminar						
1	1	UNIT-I Introduction- Duality			S	
2	1	UNIT-II Time dependent Schrodinger equation			S	
3	1	UNIT-III Radioactive equilibrium			S	
4	1	UNIT – IV Nuclear Reactions			S	
5	1	UNIT-V Charge, Parity, Time reversal			S	

Class Test						
1	1	Davisson Germen Experiment		CT		
2	2	Geiger Muller counter, Liquid drop model		CT		
3	2	Classification of elementary particles, Charge ,parity, time reversal		CT		
Final Evaluation (FE)						
1	5	Entire course				FE

Signature of the Faculty

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM
POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS
TEACHING PLAN

Name(s) of the Staff : **Dr.S.RENUKA**
Programme : B.Sc Physics
Academic Year : 2020-2021
Semester : VI semester
Course Code : 18PHC612

Course Title : **CC XII: SOLID STATE PHYSICS**

Objectives:

- To expose the students to the basics of Solid State Physics.
- To introduce the applications of Solid State Physics and various physical properties of solids.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
ICT Enabled Lectures [I]			15 hrs per unit (for 5 units)		75
Evaluation –Class Tests (CT)			5 test per unit		5
Seminar/problem solving/class work(S)			1 hour per unit (for 5 units)		5
Creating awareness about the latest developments of Solid state physics in current research sector (CA)			1 hour per unit (for 2 units)		2
Final Evaluation (FE)			3 hrs (Rehearsal)		3
Hrs per week	6	Credits	5	Total	90

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

SL.NO	HRS.	UNIT -CONTENT	MODE OF TEACHING				
			ICT	Class Test (CT)	Class Work (CW)	Final Evaluation (FE)	Creating awareness (CA)
		UNIT I: CRYSTAL STRUCTURE					
1	2	Introduction	ICT				
2	3	Periodic array of atoms – Crystal lattice – Unit cell –Basis	ICT				
3	2	Symmetry considerations	ICT				
4	3	Classification of crystals	ICT				
5	2	Bravais lattices in three dimensions	ICT				
6	2	Crystal Planes and Miller indices	ICT				
7	1	Single crystal Structure	ICT				
		Class Work(CW)					
8	1	Classification of crystals			CW		
		Class Test (CT)					
9	1	UNIT I: CRYSTAL STRUCTURE		CT			
		UNIT II: CRYSTAL DIFFRACTION					
10	2	Introduction	ICT				
11	3	Bragg's law, Laue equations	ICT				
12	2	TYPES: Experimental X-ray diffraction methods	ICT				
13	2	Laue method	ICT				
14	2	Rotating crystal method	ICT				
15	2	Powder method	ICT				
16	2	Neutron diffraction	ICT				
		Class Work(CW)					
17	1	Rotating crystal method			CW		
		Class Test (CT)					
18	1	UNIT II: CRYSTAL DIFFRACTION		CT			
		UNIT III: THERMAL PROPERTIES					
19	2	Introduction - Heat capacity, Classical theory	ICT				
20	3	Einstein model – Debye model	ICT				
21	3	Density of modes (3d)	ICT				
22	3	An harmonicity and thermal expansion of crystals	ICT				
23	2	Principal coefficients	ICT				
24	2	Gruneisen relation – Thermal conductivity	ICT				
		Class Work(CW)					
25	1	Einstein model – Debye model			CW		
		Class Test (CT)					
26	1	UNIT III: THERMAL PROPERTIES		CT			

UNIT IV: FREE ELECTRON THEORY OF METALS							
27	2	Introduction – Free electron model	ICT				
28	3	Free electron gas in 3-dimensions,Density of states	ICT				
29	2	Thermal capacity of free electron system	ICT				
30	2	Paramagnetism of free electrons	ICT				
31	2	Sommerfeld theory of electrical conductivity	ICT				
32	2	Thermal conductivity – Wiedemann Franz law	ICT				
33	2	Hall effect, Failure of free electron theory.	ICT				
Class Work(CW)							
34	1	Free electron gas in 3-dimensions,Density of states			CW		
Class Test (CT)							
35	1	UNIT IV: FREE ELECTRON THEORY OF METALS		CT			
UNIT V: SUPERCONDUCTORS							
36	2	Introduction, Effect of magnetic field	ICT				
37	2	Meissner effect –Persistent current	ICT				
38	2	Type of superconductors	ICT				
39	1	Intermediate state – Entropy – Specific heat capacity	ICT				
40	2	Thermal Conductivity – Penetration Depth	ICT				
41	2	London equation's	ICT				
42	2	AC and DC Josephson's effect	ICT				
43	2	BCS theory (qualitative only)	ICT				
Class Work(CW)							
44	1	AC and DC Josephson's effect			CW		
Class Test (CT)							
45	1	UNIT V: SUPERCONDUCTORS		CT			
46	2	Creating awareness about the latest developments of Solid state physics in current research sector (CA)					CA
Final Evaluation (FE)							
47	3	Unit I To Unit V				FE	

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

Teaching Plan

Name of the Staff: Dr. M. Kiruthiga

Programme: II B.Sc PHYSICS & BOTANY Academic Year: 2020-2021

Semester: III semester Course Code:183ACH1

Course Title: ALLIED CHEMISTRY

Objectives: To Know about the MOT

To understand about the VSEPR theory

To know the fundamentals of aromatic compounds

Teaching Methodology			Distribution of hours/Unit		Total H of Inst
Traditional Chalk and Talk Method [L]			9hrs per unit (for 5 units)		45
Evaluation –Class Tests (CT)			1 hrs (for 5 units)		05
Seminar/problem solving/class work(S)			1 hour per unit(for 3 units)		03
Creating awareness about the latest developments of surface and photochemistry in current research sector (CA)			1 hour 3 units(for3,4,5 units)		05
Final Evaluation (FE)			2hrs (Rehearsal)		02
Hrs per week	4	Credit	3	Total	60

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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE

Unit-I						
1	2	MOT- Some important basics concepts of M.O theoy-LCAO. Bonding and antibonding orbitals.	L			
2	2	Applications of MO theory to hydrogen,helium, nitrogen,oxygen and fluorine molecules.	L			
3	1	Fuel gases- water gas, producer gas, LPG gas, gobar gas and natural gas.	L			
4	2	Fertilizers- NPK and mixed fertilizers, micro nutrients and their role in plant life and biofertilizers.	L			
5	2	Soap and detergents an elementary idea about preparation and manufacture. Cleaning action of soap and detergents	L			
UNIT-II						
6	2	VSEPR Theory- Introduction VSEPR theory, Defects of VSEPR theory.	L			
7	1	Shapes of simple inorganic molecules(Becl2,BF3, Sicl4, Pcl5)	L			
8	2	Shapes of simple inorganic molecules SF6, (IF5,IF7 & XeF6)	L			
9	2	Volumetric analysis Basic principles,Standard solutions- Primary and secondary standards	L			
10	2	Types of titrations- Acid-base, Redox, precipitation, Indicators.	L			
Unit – III						
11	2	Aromatic Compounds Structure,stability,resonance and aromaicity of benzene.Typical substitution reaction-Nitration, halogenations,Alkylation.	L			
12	2	Naphthalene- isolation, synthesis,Properties and structural elucidation and uses	L			
13	2	Chemothearpy explanations with two examples each for Analgesics, antibacterial, anti inflammatory,antipyretic, antibiotic,antitubercular	L			
14	1	Antiviral, antissuve, antiallergic, antidiabetics, anti-hypertensive,antiepileptics, Tranquilizers,	L			
15	2	Antiseptic and disinfectant,antimalarial, Anaesthetics(Local and general).	L			
Unit – IV						

16	2	Carbohydrates- classification of carbohydrates- Preparation properties and uses of glucose.	L			
17	2	Preparation properties and uses of fructose & Sucrose	L			
18	1	Properties and uses of starch and cellulose	L			
19	2	Organic Reactions- biuret, Decarboxylation, Esterfication.	L			
20	2	Organic Reactions- Diazo reaction, Resorcinol fusion, Bromination and osazone formation	L			
		Unit – V				
21	2	Solid State- Typical crystal lattices-unit cell-elementary of symmetry.	L			
22	2	Bragg's equation- weiss indices-Miller indices	L			
23	2	Simple, body centered and face centered cubes.	L			
24	1	Phase Rule Definition of Phase, component,Degrees offreedom,one component system(water)	L			
25	2	Two component system(Pb-Ag system)	L			
		Seminar				
1	1	UNIT-I Soap and detergents			S	
2	1	UNIT-II Basic principles of volumetric analysis			S	
4	1	UNIT – IV Nitration, Halogenation			S	
		Class Test				
1	5	UNIT I-UNIT V		CT		
		Final Evaluation (FE)				
1	3	Entire course				FE

Head of the Department

Signature of the Staff Member

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

Teaching Plan

Name of the Staff : Dr. S.VANI

Programme: M.Sc ., Chemistry

Academic Year: 2020-2021

Semester: I semester

Course Code : P22CHC101

Course Title : CC - I Inorganic Chemistry - I

Objectives: To study the concept of coordination chemistry

To learn about the structure and bonding of inorganic compounds

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 hrs (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	5	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	CT	S	FE
Unit- I Structure and Bonding - I						
1	3	Poly acids : Isopoly acids and hetero poly acids of vanadium, chromium.molypdenum	L			
2	3	Isopoly acids of molybdinum and tungsten	L			
3	3 1	Inorganic polymers : Silicates - structures, properties correlation and applications Structure of silicates	L	CA		
4	2	Molecular sieves, poly sulphur - nitrogen compounds	L			
5	3	Structure of poly - organo phosphazenes	L			
Unit-II Structure and bonding -II						
6	3	Boron hydrides introduction structure of poly hedtal boranes	L			
7	3	Definition of Hydroboration, Carboranes and metallo carboranes	L			
8	2 1	Structures and types of metal clusters Metal clusters	L	CA		
9	3	Chemistry of low molecularity metal clusters, trinuclear metal clusters	L			
10	3	Multiple metal - metal bonds. Cubane and Zintil clusters	L			
Unit – III Coordination Chemistry - I						
12	2	Introduction and stability of complexes	L			
13	3	Thermodynamic aspects of complex formation	L			
14	2	Types of factors affecting the stability of complexes	L			
15	3	Hard and Soft Acid and Base approach for complexes	L			

16	1 2	Spectro photometric methods Determination of stability constant by spectro photometric method	L	CA		
17	2	Determination of stability constants by polarographic and potentiometric methods	L			
Unit – IV Coordination Chemistry - II						
18	3	Stereoisomerism in inorganic complexes	L			
19	3	Isomerism arising out of ligand distribution and ligand conformation	L			
20	3	Chirality and nomenclature of chiral complexes	L			
21	1 3	Optical Rotatory Dispersion Optical rotatory dispersion and dichroism.	L	CA		
22	2	Macroligands, types, port phyrins, corrins	L			
Unit – V Cordination chemistry -III						
23	3	Evidences for metal - ligand orbital overlap	L			
24	3	Molecular orbital theory and energy level diagrams	L			
25	2 1	Concept of weak and strong field ligands Charge transfer spectra	L	CA		
26	2	John - Teller distortion, charge - transfer spectra	L			
27	4	Term states for "d" ions, energy diagrams,d-d transitions.Orgel and Tanabe - Sugano diagrams, spin orbit coupling	L			
. Seminar						
1	1	UNIT-I Silicates structures - properties and uses			S	
2	1	UNIT-II Chemistry of low molecularity metal clusters			S	
3	1	UNIT-III Determination of stability constants			S	
4	1	UNIT – IV Schiffs bases, crown ethers and cryptates			S	

5	1	UNIT-V Nephelauxetic effect, spectral and magnetic characteristics of transition metal complexes			S	
Class Test						
1	7	UNIT I-UNIT V		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

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Signature of the Staff Member

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

Teaching Plan

Name of the Staff: Mrs.K.Indhira

Programme: B.Sc Mathamatics Academic Year: 2020-2021

Semester: I semester Course Code: U212ACH3

Course Title: Allied Course-III-Allied Chemistry –III

Objectives:

- To know about the various theories and properties of metals
- Able to recognize the synthetic dyes and polymers
- To know about laboratory hygiene and safety

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)			7 test for 5 units		07
Seminar/problem solving/class work(S)			1 hour per unit(for 5 units)		05
Final Evaluation (FE)			3 hrs (Rehearsal)		03
Hrs per week	5	Credit	4	Total	75

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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit-I Metallic Bond and Alloys						
1	2	Electron gas, Pauling and Band theories	L			
2	3	Semiconductors-intrinsic, n-type and p-type. Applications of Semiconductors.	L			
3	3	General-methods of Preparations and Properties of Alloys	L			
4	3	Role of Carbon in Steel And treatment of Steel, Application of Alloys.	L			
Unit-II Chemotheraphy and Enzymes						
5	3	Chemotheraphy – sulpa drugs – structure and use	L			
6	3	sulphdyacin - structure and uses – antibiotics – peniclin – structure, drawbags and uses –	L			
7	2	cholromycetin - structure and uses	L			
8	3	Introducation, Classification of enzymes, Nomenclature, Co-factor	L			
9	3	Co-enzymes, Mechanism of enzyme reaction, Specificity.	L			
Unit – III -Synthetic Dyes And Polymers and Dyes						
10	3	Teflon, Alkyl and Epoxy resins, Poly esters	L			
11	3	Bakelite, Nylon, Rayon-general Treatment	L			
12	3	Introduction, Chromophore, Chromogen, Auxochromes,	L			
13	3	Classification of Dyes on the basis of chemical structure and applications-Preparations of methyl Orange,	L			
14	3	Phenolphthalein and Bismark brown – their properties and uses.	L			
Unit – IV - Pollution						
15	3	Definition – classification – pollution of water – cause, detection	L			

16	3	prevention- pollution of air - cause, detection and prevention - acid rain	L			
17	3	green house effect – evils effect of green house effect – prevention.	L			
Unit – V - laboratory hygiene and safety and Simple First Aid Procedure For Accidents						
18	3	Storage and handling of corrosive, flammable, explosive, toxic	L			
19	2	carcinogenic and poisonous chemicals.	L			
20	3	Acid in eye, alkali in eye, acid burns, bromine burns	L			
21	3	poison, inhalation of gases, cut by glasses and heat burns	L			
Seminar						
1	1	UNIT-I Role of Carbon in Steel And treatment of Steel, Application of Alloys			S	
2	1	UNIT-II Co-enzymes, Mechanism of enzyme reaction, Specificity			S	
3	1	UNIT-III Phenolphthalein and Bismark brown – their properties and uses			S	
4	1	UNIT – IV green house effect – evils effect of green house effect – prevention y			S	
5	1	UNIT-V poison, inhalation of gases, cut by glasses and heat burns			S	
Class Test						
1	7	UNIT I-UNIT V		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

Head of the Department

Signature of the Staff Member

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

Teaching Plan

Name of the Staff: Dr. C. JAYANTHI

Programme: M.SC., CHEMISTRY Academic Year: 2020-2021

Semester: Semester- II Course Code:P21CH2ED

Course Title: FOOD AND NUTRITION

Objectives:

- This course aims in making the students to understand about carbohydrates and proteins
- This course can facilitates the students to inculcate many information about milk, fat, minerals
- To motivate the students to analyse the food quality.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			5 hrs per unit (for 5 units)		25
Evaluation –Class Tests (CT)			3 test for 5 units)		02
Seminar/problem solving/class work(S)			1 hour for 5 units		02
Final Evaluation (FE)			1 hrs (Rehearsal)		01
Hrs per week	6	Credit	5	Total	30

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

SL. NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
		Unit-I Carbohydrates				
1	1	**Carbohydrates:** Classification –	L			
2	1	Available polysaccharides -	L			
3	1	unavailable carbohydrates or dietary fibres	L			
4	1	carbohydrates in diets – digestion and absorption	L			
5	1	Insulin - adrenaline - regulation of blood glucose	L			
		Unit-II - Proteins				
6	1	**Proteins** :Sources and chemical nature – aminoacids .	L			
7	1	nitrogen balance – factors affecting nitrogen balance	L			
8	1	physiological needs – dietary sources	L			
9	2	biological tests – requirements – protein deficiency.	L			
		Unit – III - Fats, Electrolytes and Minerals				
11	1	**Fats, Electrolytes and Minerals:** Visible fats – phospholipids - digestion and absorption – essential fatty acids deficiency,.	L			
12	1	Dietary needs for fat salt – Na and K in the body. Water balance – Na excess – K deficiency – K excess	L			
12	1	Minerals – intake – absorption – substances – assisting absorption – recommended intake – trace elements – iodine uses	L			

14	1	physiology – sources – prophylactic and therapeutic fluorine – prevention of dentel carriers – fluorosis in man – fluoride and osteroporosis –	L			
15	1	Opposition to fluoridation of water Pb – Hg – hazards.				
		Unit – IV - Milk and Milk products				
16	1	**Milk and Milk products:** Composition of milk – flavour and aroma of milk —	L			
17	1	physical properties of milk – effect of heat on milk	L			
18	1	pasteurisation – homgenisation	L			
19	2	Milk Products – cream milk – ice cream – milk powder	L			
		Unit – V Food and Nutrients and Food Quality				
21	1	**Food and Nutrients:** Food – classification – cereals – wheat —	L			
22	1	Distribution of nutrients in grain and flour – starches – invalid foods	L			
23	1	sugars – syrups, nutritive properties of vegetables – fruits – nutrition properties of meat, fish and oil of sea foods – novel protein foods.	L			
24	2	**Food Quality:** Food adulteration – determination of adulteration in food products by simple qualitative	L			
		Seminar				
1	2	UNIT-I - V			S	
		Class Test				
1	2	UNIT I-UNIT V		CT		
		Final Evaluation (FE)				
1	1	Entire course				FE

C. Jayshree
Head of the Department

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

C. Jayshree
Signature of the Staff Member

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

Teaching Plan

Name of the Staff : Dr. K. VIMALA

Programme:	B.Sc.Chemistry	Academic Year:	2020 -2021
Semester:	II semester	CourseCode: 18CHC203	

Course Title: CC-III General chemistry - II

Objectives: Basic knowledge on inter halogen compounds, carbon and hydrogen family, cycloalkanes, solid state and macro molecules

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)			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 General chemistry - II (CA)			1 hour per unit(for 5 units)		05
Final Evaluation (FE)			3 hrs (Rehearsal)		05
Hrs per week	5	Credit	5	Total	90

Hours per week	Total Hours of Instruction
6	93
5	75
4	60
2	30

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit-I Inorganic chemistry						
1	2	Oxidation and redox reactions, oxidation number concept, balancing redoz equation by oxidation number method	L			
2	3	Ion - electron method, equivalent weight of. Oxidizing and reducing agents	L			
3	3	Comparative study of halogen and their compounds, Oxides and oxy acids of halogens, estimation of available chlorine in bleaching powder	L			
4	2	Preparation and properties and uses of inter halogen compounds	L			
5	3	Preparation, properties and uses of cynogens and thiocyanogen, comparison with halogens	L			
Unit-II Inorganic chemistry						
6	2	Comparative study of carbon family elements and their compounds	L			
7	3	Chemistry of cyanogens, hydro cyanic acid, cyanic acid,	L			
8	2	Structures of graphite, diamond and fullerene, comparative study of oxygen family elements and their compounds	L			
9	3	Preparation, properties and structural elucidation and uses of ozone and hydrogen peroxide	L			
10	3	Preparation, properties, structure and uses of peracids of sulphur and thionic acids	L			
Unit – III Organic chemistry						
12	2	Preparation using Wurtz's and Dieckmann's ring closure alkanes, reduction of aromatic hydrocarbons	L			
13	3	Substitution and ring opening reactions, Beyat,s strain theory and theory of strainless rings	L			
14	2	Acidity of alkynes, formation of acetylides, addition of H2O with HgSO4, addition of hydrogen halides andd oxidation, ozonolysis and hydroboration	L			
15	3	Stability and chemical reactivity 1,2 and 1,4 additions, kinetic	L			

16	2	Synthesis of dienes, 1,3- butadiene,isoprene and chloroprene	L			
17	2	Problems and conversions involving the reactions of alkynes and dienes	L			
Unit – IV Physical chemistry						
18	3	Isotropic and anisotropic solids	L			
19	3	Seven crystal systems, Bravais lattice, unit cell, law of rational indices	L			
20	2	Miller indices, symmetry elements in crystals	L			
21	3	X-ray diffraction in crystals, derivation of Bragg's equation and Bragg's powder method	L			
22	2	Crystal structure of NaCl, KCl, ZnS and CsCl, radius ratio and packing in crystals, determination of Avogadro's number and	L			
Unit – V Physical chemistry						
23	3	Number average and weight average molecular weight of macromolecules	L			
24	3	Determination of molecular weight by osmometry	L			
25	2	Ultra centrifuge, viscometry and light scattering	L			
26	2	Size of colloidal particles, peptization, stability of colloids, coagulation and protection	L			
27	3	Reverse osmosis, disalination of sea water, Domann- membrane equilibrium, electrophoresis and separation of proteins, g	L			
Seminar						
1	1	UNIT -I Structural elucidation of hydrogen peroxide			S	
2	1	UNIT-II Preparattion of thio cyanic acid, ammonium thiocyanate and carbon disulphide			S	
3	1	UNIT-III thermodynamic controls of reaction, Diels -Alder reaction			S	

4	1	UNIT – IV Vitreous state			S	
5	1	UNIT-V Gels and emulsions			S	
Class Test						
1	5	UNIT- I. UNIT - V		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

Head of the Department

Signature of the Staff Member

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

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

Teaching Plan

Name of the Staff: Dr.V.ANU

Programme: B.Sc CHEMISTRY Academic Year: 2020-2021

Semester: VI semester Course Code: 18CH6EC4

Course Title: INORGANIC CHEMISTRY -II

Objectives:

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

SL. NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit-I COORDINATION COMPOUNDS						
1	2	Introduction –composition of nucleus and nuclear forces.	L			
2	3	Nuclear stability – n/p ratio, mass defect, binding energy, packing fraction	L			
3	3	magic numbers, shell and liquid drop models	L			
4	2	Isotopes – detection and separation. Isotopic constitution of elements and whole number rule	L			
5	3	Derivation of atomic weights from whole numbers. Isobars and Isomers.	L			
Unit-II -						
6	2	Radio Activity – Discovery, detection and measurements (Wilson cloud Chamber). Radio activity emissions.	L			
7	3	Disintegration theory – modes of decay – Group displacement law – Rate of disintegration – Half life and average life – radio activity series.	L			
8	2	Nuclear transformation – use of projectiles – nuclear reactions – fission and fussion	L			
9	3	Nuclear reactors. Applications of radio isotopes – Carbon dating – Radioactive waste disposal	L			
10	3	Radiolysis of water and hydrated electron	L			
Unit – III						
12	2	Packing of atoms in metal (BCP, CCP (FCC), HCP).	L			

13	3	Theories of metallic bonding – electron gas, pauling and band theories.	L			
14	2	Structure of alloys – Substitutional and interstitial solid solutions	L			
15	3	Hume Rothery ratio – Crystal defects.	L			
16	2	Semi conductors – Extrinsic and Intrinsic	L			
17	2	n-type and p – type – composition, structure and uses in electronic industry.	L			
		Unit – IV				
18	3	Clathrates – examples and structures. Interstitial compounds and non-stoichiometric compounds	L			
19	3	Silicones – composition, raw materials, manufacture, structure,properties and uses.	L			
20	2	Metal alkyls co-ordination polymers and phosphonitrilic polymers	L			
21	3	Silicates – Classification into discrete anions one, two and three dimensional structures	L			
22	2	properties and uses of Beryl, Asbestos, Talc, Mica, Zeolites and Ultramarines	L			
		Unit – V				
23	3	Fossil fuels – varities of coal and petroleum – petroleum refineries in India.	L			
24	3	Gases fuels – natural, gobar, coal, water, semiwater and producer gases, liquefied petroleum gases (LPG)	L			
25	2	Fertilizers – Manufacture of N, P, K and Mixed fertilizers. Micro nutrients and their role in plant life.	L			
26	2	Safety matches fire works and explosives, paints and varnishes	L			

27	3	Effluents and their treatment (Dye, Cement, Tannery, Distillery units	L			
Seminar						
1	1	Isotopes – detection and separation.			S	
2	1	Nuclear reactors. Applications of radio isotopes – Carbon dating – Radioactive waste disposal			S	
3	1	Semi conductors			S	
4	1	Properties and uses of Beryl, Asbestos, Talc, Mica, Zeolites and Ultramarines			S	
5	1	Fertilizers – Manufacture of N, P, K and Mixed fertilizers			S	
Class Test						
1	5	UNIT I-UNIT V		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

Head of the Department

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

Signature of the Staff Member

Government College for Women (Autonomous), Kumbakonam
PG & Research Department of Computer Science
Academic Year 2020 - 2021
Even Semester
Teaching Plan

Name of the Staff: **E.Suganthi**

Programme: M.Sc Computer Science Academic Year : 2020-2021

Semester : II Course Code : P17CSC206

Course Title: CC VI- Microprocessors and Microcontrollers

Objectives:

- To realize the 8086 Microprocessor Architecture, Operations, Programming, and to understand the concepts of Embedded Systems and 8051 Microcontroller

Teaching Methodology	**Distribution of hours/Unit**	**Total Hours of Instruction**
Traditional Chalk and Talk Method [L]	5 hrs per unit (for 5 units)	25
ICT Enabled Lectures [I]	5 hrs per unit (for 5 units)	25
Practical Demonstration[P]	-----	-----
Tutorial (T)	1 hour per unit(for 2 units)	02
Field visit (FV)	-----	-----
Group discussion	1 hour per unit(for 5 units)	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 latest developments in current research sector (CA)	1 hour per unit(for 5 units)	05
Final Evaluation (FE)	3 hrs (Rehearsal)	03
Hrs per week 5 Credit	4 Total	75

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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING				
			L	I	CT	S	FE
	Unit-I						
1	2	8086 Software Aspects: Intel 8086 Microprocessors – Architecture	L				
2	2	Pin Details of 8086 – Addressing modes in 8086 Instruction set of 8086	L				
3	2	Assembly language programming – Linking and relocation – stacks – procedures – Macros – Interrupts and Interrupt Routines		I			
4	2	Byte & String Manipulation		I			
5	2	8086 System Design: Basic Configuration – System Bus timing		I			
	Unit-II						
6	2	I/O Interfaces: Serial communication Interface –	L				
7	2	Parallel communication Interface Programmable Timer–		I			
8	2	Keyboard and Display Controller	L				
9	2	DMA Controller		I			
10	2	Interrupt Controller.	L				
	Unit – III						
12	2	Advanced Processors: Intel 80x86 family of processors —— Pentium memory management – Introduction to Pentium Pro features	L				
13	2	Salient features of 80286, 80386, Basic 486 Architecture	L				
14	2	80486 Memory system		I			
15	2	80486 Memory management	L				
16	2	Features of Pentium memory Pentium memory Architecture,Pentium pro	L				
17	2	I/O systems		I			
	Unit – IV						
18	2	8051 Microcontrollers : Introduction to 8051 Microcontrollers	L				
19	2	8051 Instruction Set and Programming	L				
20	2	Hardware Features of 8051		I			
21	2	8051 Features		I			
22	2	8051 Interfacing examples		I			
	Unit – V Pointers						
23	2	8096 16 bit Microcontrollers : Overview of Intel 8096 microcontrollers —	L				
24	2	Instruction Set and Programming of 8096		I			

25	2	Hardware Features of 8096. ADC Converter	L				
26	2	DAC Converter	L				
27	2	8096 Interfacing Examples		I			
		Seminar					
28	1	UNIT-1 Interrupts and Interrupt Routines				S	
29	1	UNIT-2 Direct Memory Access				S	
30	1	UNIT-3 Pentium memory Architecture				S	
31	1	UNIT-4 Hardware features				S	
32	1	UNIT-5 Instruction Set and Programming of 8096				S	
		Class Test					
33	5	UNIT I-UNIT V			CT		
		Final Evaluation (FE)					
34	3	Entire course					FE

Head of the Department

Signature of the Staff Incharge

IQAC Coordinator

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

Government College for Women (Autonomous), Kumbakonam
PG & Research Department of Computer Science
Academic Year 2020 - 2021
Even Semester
Teaching Plan

Course Title	**Programming in Java**		
Course Code			
Course Structure	**Periods/week**	**Credits**	
	4	**4**	
Programme	**II B.Sc (Computer Science)**	**Semester**	**IV**
Course Coordinator	**G. Sobiya**		
Course Objective	To give a fundamental knowledge on data structures and exposure to development of algorithms related to data structures		

Teaching Methodology	**Distribution of Hours/Unit**	**Total No. of Instruction**
Traditional Chalk and Talk Method(L)	6 hrs per unit(for 5 units)	30
ICT Enabled Lectures (I)	1 hr per unit(for 5 units)	5
Practical Demonstration	1 hr per unit(for 5 units)	5
Quiz/ Group Discussion (Q/GD)	1 hr per unit(for 5 units)	5
Evaluation - Class Tests(CT)	1 hr per unit(for 5 units)	5
Seminar/ Problem Solving/Class Work(S)	5 hrs per unit(for 5 units)	5
Final Evaluation (FE)	5 Hrs (Rehearsal)	5
Total		**60**

Hours Per Week	**Total Hours of Instruction**
6	90
5	75
4	60
2	30

S.No	No. of Lectures	Unit -Content	Mode of Teaching						
			L	P	CT	S	I	FE	Q/GD
Unit - I									
1	2	Java Evolution- Java History-How Java differs from C and C++- Java and Internet- java and www- web browsers- h/w and s/w requirements	L						
2	2	Java support systems – java environments- revision of first chapter	L						
3	1	Overview of java languages-simple java programs-an application with two classes				S			
4	1	Java program structure – java tokens		P					
5	2	java statements- JVM-command line arguments	L						
6	1	Programme style- constant- variables and data types- declaration of variables- scope of variables-symbolic constants- type casting					I		
7	1	Quiz							Q
8	1	Class test			CT				
Unit II									
1	2	Operators and expressions-arithmetic operators	L						
2	1	relational operators- logical operators-							
3	1	Assignment operators- conditional operators-special operators				S			
4	1	Arithmetic expressions- evaluation of expression					I		
5	1	type conversion of expression- operator precedence and associativity- Mathematical functions	L						
6	1	Decision making and branching		P					
7	2	Decision making and looping	L						
8	1	Quiz							Q
9	1	Class test			CT				
I CIA EXAMINATION									
UNIT - III									
1	1	Classes, objects and methods- define a class- field declarations – method declaration- creating objects-accessing class members				S			
2	1	Accessing class members- constructors – method overloading – static members – nesting of methods	L						
3	2	Inheritance- existing a class- overriding methods-final variables and methods-final classes- Finalizer methods	L						

4	1	Abstract methods and classes - methods with varargs- visibility control-					I		
5	1	Arrays– one dimensional arrays –creating an Array- two dimensional arrays- Strings		P					
6	1	Vectors, Wrapper Classes- Enumerated Types- Annotations	L						
7	2	Interfaces: Multiple inheritance- Defining interfaces- Extending interfaces- implementing interfaces- accessing interface variables	L						
8	1	Quiz							Q
9	1	Class Test			C T				

Unit -IV

1	1	Packages- Java API packages- using system packages- - naming conventions-creating packages- Accessing a package- using a package- Adding a class to a package – Hiding a classes- Static import	L						
2	1	Multithreaded programming – Creating Threads- Extending the thread class- Stopping and Blocking a thread		P					
3	1	Life cycle of a Thread- Using thread methods- Thread Exceptions- Thread Priority	L						
4	1	Synchronization- implementing runnable interface	L						
5	1	Managing errors and exceptions- types of errors- Exceptions- Syntax of exception handling code				S			
6	2	Throwing our own exceptions- using exceptions for debugging	L						
7	1	multiple catch statements- using finally statement					I		
8	1	Quiz							Q
9	1	Class Test			C T				

Unit - V

1	1	Applet Programming- How applet differ from applications- preparing to write applets- building applet code- applet life cycle	L						
2	1	Creating an executable applet- designing a web page- - applet tag- adding Applet to HTML file- Running the applet		P					

3	2	More about applet tag- passing parameters to applets- aligning the display- more about HTML tags- Displaying numerical values	L							
4	1	Graphics Programming- the Graphics class- Lines and Rectangles- circles and Ellipses- Drawing arcs	L							
5	1	Drawing polygons- Line Graphs – using control loop in applet- Drawing bar charts				S				
6	2	Managing I/O files in Java- concepts of streams- stream classes- Byte stream classes- character stream classes- using streams	L							
7	1	Using the file class- I/O exceptions- creation of files- R/W characters- R/W bytes-					I			
8	2	Handling primitive data types- concatenating and buffering files- Random access file- interactive I/O- other stream classes	L							
9	1	Quiz							Q	
10	1	Class Test			CT					
MODEL EXAMINATION										
	5	Final Evaluation						FE		

Head of the Department

Signature of the Staff Incharge

IQAC Coordinator

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

GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

DEPARTMENT OF GEOGRAPHY

Teaching Plan

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

Programme: M.Sc GEOGRAPHY Academic Year: 2020-2021

Semester: IV semester Course Code: PGCD13

Course Title: : SOCIAL AND CULTURAL GEOGRAPHY

Objectives:

- The primary objective of social and cultural geography is to help students
- to understand diversity of cultures and relationship between cultures and pattern of living and economic development.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			13hrs per unit (for 5 units)		65
ICT Enabled Lectures [I]			-----		-----
Practical Demonstration[P]			1 hour per unit (for 5 units)		-----
Tutorial (T)			1 hour per unit (for 2 units)		05
Field visit (FV)			-----		-----
Group discussion					
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 latest developments of social and cultural Geography. (CA)			1 hour per unit (for 5 units)		05
Final Evaluation (FE)			3 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 wise Teaching and Evaluation Plan

Unit Wise Topics	L	I	P	T	FV	CT	S	CA	FE
Unit-I Nature and Scope of Social Geography	3								
Social Structure and Processes	3								
Concept of Space and Place	2			1					
Social Well Being – Quality of Life	3						1		
Social Exclusion and Inclusion	3								
Class Test						1		1	
Unit- II Ethnicity, Tribe,	3								
Dialect, Language,	3								
Language, Spatial Distribution	2						1		
Caste – Spatial Distribution – World and Indian	3								
Religion – Spatial Distribution – World and Indian	3								
Class test						1		1	1
Unit – III Space and Society	2								
Concept of social space	2								
Social structure and Social processes	3						1		
Geographical bases of social formation	2								
Social differentiation and region formation	3								
Patterns and bases of rural and urban society	3								

Class test				1	1	1
Unit – IV Concept of Culture, Culture Complex.	3					
Culture Areas and Cultural Regions	2	1				
Cultural Heritage, Cultural Interactions	2					
Cultural Diffusion and Cultural Ecology	3				1	
Cultural Imperialism	3					
Class test				1	1	
Unit – V Human Development , Measurement of Human Development	2					
Social, Economic and Environmental Indicators , Contemporary Issues	3					
Regional Disparity, Poverty, Population Explosion and Globalization	2					
Impact of Development on Environment – Social and Ethnic Tension	3				1	
Gender Discrimination ,Empowerment of Women	3					
Class Test				1	1	1
Rehearsal Examination						3
Total Hours						

Components of Students' Evaluation for Continuous Internal Assessment:

Test 1 : for 25 marks : Section A [5 X 2 = 10 marks] ; Section B [1 X 5 = 5 marks]; Section C [1X10 =10 marks]

Test 2 : for 25 marks : Section A [3 X 5 = 15 marks] ; Section B [1 X 10 = 10 marks] Section C [1X10 =10 marks]

Test 3 : for 75 marks : Section A [10 X 2 = 20 marks] ; Section B [5 X 5 =25 marks]; Section C [3X10 =30 marks]

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

Test 1 : for 40 marks : Section A [10 X 1 = 10 marks] ; Section B [2 X 5 = 10 marks]; Section C [2X10 =200 marks]

Test 2 : for 40 marks : Section A [10 X 1 = 10 marks] ; Section B [2 X 5 = 10 marks]; Section C [2X10 =200 marks]

Test 3 : for 40 marks : Section A [10 X 1 = 10 marks] ; Section B [2 X 5 = 10 marks]; Section C [2X10 =200 marks]

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

Assignment Topic I for 10 marks: Multi disciplinary approach in *ENVIRONMENTAL GEOGRAPH*

Assignment Topic II for 10 marks: Causes and consequenses of Ozone Depletion

Assignment Topic III for 10 marks: Environment policies and programme in India

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

Head of the Department

Member(s)

Signature of the Staff

IQAC Co-ordinator

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

Teaching Plan

Name(s) of the Staff: MRS.S.SASIKALA

Programme: M.Sc., GEOGRAPHY Academic Year: 2020-2021

Semester: II semester Course Code:

Course Title: QUANTITATIVE TECHNIQUES IN GEOGRAPHY

Objectives:

- To understand importance of statistics in geographical studies
- To findout the varies techniques in ststistics

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			13 hrs 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)			2 hours		02
Group discussion					
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 importance Tourism Development 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

Unit wise Teaching and Evaluation Plan

Unit Wise Topics	L	I	P	T	FV	CT	S	CA	FE
Unit-I significance of the quantitative techniques in geographical studies	4								
Physical,social,cultural and demographic data	3								
Data collection and sources	3			1					
Levels of measurement-nominal and ordinal	3						1		
Class Test						1		1	
Unit- II tabulation and summarizing of geographical data	4								
Class limit,class interval,matrix	3		1	1					
Frequency grouping	3						1		
Graphs and their application inn geography									
Class test	3					1		1	1
Unit – III measurces of central tendency	4								
Measures of dispersion	3								
Quartile deviation	3						1		
Standard deviation	3		1	1					
Class test						1		1	1
Unit – IV correlation and regression analysis	4								
Spearmans rank correlation	3			1					
Simple linear analysis	3								
Regression analysis	3						1		

Class test			1	1
Unit - V formulation and testing of hypothesis	5			
Approaches	4	1		
Simple linear regression analysis	4			
Class Test			1	1
Rehearsal Examination				3
Total Hours				9

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: quantitative techniques in geography

Assignment Topic II for 10 marks:Measures of central tendency

Assignment Topic III for 10 mark: formulation and testing of hypothesis

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Teaching Plan

Name(s) of the Staff: D.BHARATHI

Programme: B.Sc., GEOGRAPHY

Academic Year: 2020-2021

Semester: V SEMESTER

Course Code:U21GC613

Course Title: GEOINFORMATICS

Objectives:

- To understand The Fundamentals of remote sensing
- To learn about the geographic information system

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk 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)			2 hours		02
Group discussion					
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 importance of geographical information system (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

Unit wise Teaching and Evaluation Plan

Unit Wise Topics	L	I	P	T	FV	CT	S	CA	FE
Unit-I components of geoinformatics	4								
Development of remote sensing	3								
Indian space programmes	3			1					
Types of remote sensing	3						1		
Class Test						1		1	
Unit- II electro magnetic spectrum	4								
Energy intraction with atmosphere and earth surface features	3		1	1					
Spectral signatures	3						1		
resoulution	3								
Class test						1		1	1
Unit – III satellite-earth observation satellite(LANDSAT,IRS)	4								
Weather satellites (INSTAT,NOAA)	3								
Land and marine observation satellite(MODIS,OCEANJSAT)	3						1		
	3		1	1					
Class test						1		1	1
Unit-IV components of GIS,GIS application	4								
Raster and vector data structures	3			1					
Spatial data input methods	3								
Data editing ,GIS analysis	3						1		

Class test			1	1
Unit – V application of geoinformaics ,land resources	4			
Landuse planning	3	1		
Urban studies	3			
Disaster management	3			
Class Test			1	1 1
Rehearsal Examination				3
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:components of geoinformatics

Assignment Topic II for 10 marks:GIS analysis

Assignment Topic III for 10 mark: Earth observation satellite

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

DEPARTMENT OFDEPARTMENT OF BOTANY

Teaching Plan

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

Programme: UG-BOTANY Academic Year: 2020-2021

Semester: V semester Course Code:SBBH

Course Title: Bio resources and human welfare

Objectives:

1. 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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	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			
Unit-II- Useful products form Gymnosperms						
6	2	Useful products form Gynosperms)	L			
7	3	Wood (Pine)	L			
8	2	Drugs (Turpentine)	L			
9	3	Drugs (Taxol)	L			
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			
14	2	fiber (Cotton)	L			
15	3	oil-seeds (sesame),	L			
16	2	latex (rubber)	L			
17	2	Economic importance	L			
Unit – IV Importance and application areas						
18	3	Biomass production - food	L			
19	3	Bio-fertilizers	L			
20	2	Environmental Biotechnology	L			

21	3	Waste treatment – solid (compost)	L			
22	2	sewage treatment (domestic sewage).	L			
Unit – V - Traditional and economically important						
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						
1	1	UNIT-I Vitamins			S	
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.			S	
Class Test						
1	5	UNIT I-UNIT V		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

Head of the Department

Signature of the Staff Member

IQAC Coordinator

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS

Name(s) of the Staff: Dr. M.DEIVANAYAKI

Programme: Academic Year: 2020-2021

Semester: I semester P21ZC101

Functional Morphology and Phylogeny of Invertebrates and Chordates Objectives: Morphology and Phylogeny of Invertebrates and Chordates

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			18 hrs per unit (for 5 units)		90
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

Teaching Plan

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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit-I						

1	4	Symmetry in animal organization: Asymmetry, radial, biradial and bilateral symmetry –Significance and advantages. Coelom: Evolution of coelom. Acoelomate, pseudocoelomate, eucoelomategroups (Schizocoel and Enterocoel) - Significance. Metamerism:Pseudometamerism, cyclometamerism, corm theory, embryological theory - Significance.	L			
2	3	Locomotion:Movement in Protozoan and Annelids.	L			
3	2	Nutrition:Filter feeding in Polychaetes and Prochordates.	L			
4	3	Respiration:Gills and trachea in Arthropods.	L			
5	3	Circulation:Circulation in Arthropods and Molluscs.				
Unit-IV						
6	3	Integumentary System:Exoskeletal structures and their modifications.Excretory System:Types and evolution of kidneys.	L			
7	3	Digestive System:Alimentary canal and associated glands	L			
8	3	Respiratory System:Gill respiration in cyclostomes and fishes - Pulmonary respiration in tetrapods.	L			
9	3	Circulatory System: Types and evolution of heart and aortic arches.	L			
10	3	Excretory System:Types and evolution of kidneys.	L			
Seminar						
1	2	UNIT-I Locomotion:Movement in Protozoan and Annelids.			S	
5	2	UNIT-IV- Excretory System:Types and evolution of kidneys			S	
Class Test						
1	2	UNIT I-UNIT -IV		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

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Name(s) of the Staff: Dr. M.DEIVANAYAKI

Programme:

Academic Year: 2020-2021

Semester: I semester

Course Code: U211AZ1

Course Title: **BIOLOGY OF INVERTEBRATES AND CHORDATES**

Objectives: Pisces, Amphibia and Reptilia - General characters

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			18 hrs per unit (for 5 units)		90
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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit – IV						
1	4	Class: Pisces, Amphibia and Reptilia - General characters	L			
2	11	Detailed Study: Shark.	L			
3	3	General Topic: Identification of Poisonous and non poisonous snakes.	L			
Seminar						
1	1	UNIT-IV Shark.			S	
Class Test						
1	1	UNIT IV		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

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Name(s)ofthe Staff: Dr. M.DEIVANAYAKI

Academic Year: 2020-2021

Programme:

CourseCode: NMECVC

Semester: I semester

Course Title: VERMICULTURE

Objectives: Biology of composting earthworms - *Eudrilus eugeniae* and *Lampito mauritii.*

Teaching Methodology				Distribution of hours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]				6 hrs per unit (for 5 units)	15
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

SL.NO	HOUR	UNIT –CONTENT	MODE OF TEACHING			
			L	CT	S	FE
		Unit-I				
1	2	Earthworms - Morphological and anatomical characteristics	L			
2	3	Ecological Classification - Saprophages, Geophages, Epigeic, Endogeic and Anecic forms.	L			
		Unit-II				
3	2	Selection of suitable earthworm species for vermicomposting	L			
4	3	Biology of composting earthworms - Eudrilus eugeniae and Lampito mauritii.	L			
		Unit – III				
5	1	Soil organic matter decomposition	L			
6	1	Earthworms and humus formation	L			

Seminar						
1	2	Biology of composting earthworms - Eudrilus eugeniae and Lampito mauritii.				
Class Test						
1	1	UNIT-I				

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Name(s) of the Staff: Dr. M.DEIVANAYAKI
Programme: BS.c
Semester: I semester
Course Code: SBVT
Course Title: VERMITECHNOLOGY
Objectives: Importance of Vermicomposting

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			6 hrs per unit (for 5 units)		30
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

Head of the Department
Signature of the Staff Member(s)

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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
		Unit-I				
1	2	Importance of Vermicomposting- Problems in traditional composting - Sources of organic wastes. Earthworms - General Characters,	L			
2	2	Ecological Classification - Saprophages, Geophagus, Epigeic, Endogeic and Anecic forms.	L			
3	2	Biology of *Eudrilus eugeniae* and *Eisenia fetida*				
		Unit-II				
4	2	Importance of Earthworm in Agriculture, Fishing, food, therapeutics and pollution control	L			
5	1	Soil organic matter decomposition	L			

6	2	Earthworms and humus formation - benefits of humus in soil.	L			
		Unit – III				
7	1	Vermiculture: Small scale, large scale. Vermicomposting	L			
8	2	Requirements- phases - methods (Pit method, Box method, Heap method, windrow method)	L			
9	2	collection of vermicompost - Vermiwash.	L			
		Unit – IV				
10	1	Principles of vermicomposting -	L			
11	2	Precaution - Factors affecting Vermicomposting	L			
12	2	Advantages of vermicomposting - applications of vermicompost in agricultural practices.	L			
		Unit – V				
13	2	Economics of Vermicomposting	L			
14	2	Financial supports for Vermicompost - Khadi and Village Industries Commission (KVIC) -	L			
15	2	National Bank for Agriculture and Rural Development (NABARD) - eligibility for financial support.	L			
		Seminar				
1	1	UNIT I Ecological Classification - Saprophages, Geophagus, Epigeic, Endogeic and Anecic forms.			S	
5	1	UNIT-V Economics of Vermicomposting			S	
		Class Test				
1	1	UNIT I-UNIT V		CT		
		Final Evaluation (FE)				
1	3	Entire course				FE

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II-SEMESTER

Name(s) of the Staff: Dr. M.DEIVANAYAKI

Programme: BS.c

Academic Year: 2021-2022

Semester: II semester

Course Code: SBSC

Course Title: **SERICULTURE**

Objectives: Importance of Sericulture

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			6 hrs per unit (for 5 units)		30
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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit-III						
1	1	Cleaning of bed and sterilization.	L			
2	1	Growth, Inoculation	L			
3	1	Culture of larval stages.	L			
Unit-IV						
4	1	Mulberry culture - selection of mulberry,	L			
5	2	Soil, season, land,	L			
6	1	weeding, watering, Harvesting.	L			
Unit – V						
7	2	Spinning of silk - Realing, Re-realing, Testing	L			

8	1	Applications of silk	L			
9	2	Pests and predators– diseases - Budget	L			
		Seminar				
1	1	UNIT-V- Applications of silk			S	
		Class Test				
1	2	UNIT IV-UNIT V		CT		
		Final Evaluation (FE)				
1	3	Entire course				FE

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Name(s) of the Staff: Dr. M.DEIVANAYAKI

Programme: BS.c

Academic Year: 2021-2022

Semester: II semester

Course Code: NMEC

Course Title: **NMEC II – APICULTURE**

Objectives: Importance of Apiculture

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			6 hrs per unit (for 5 units)		30
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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit-III						
1	2	Natural enemies and diseases of honey bees and control methods.	L			
Unit-IV						
4	2	Instruments employed in Apiary. Newtan's hive, honey extractors and smokers.	L			
5	2	Honey: Extraction and apiculture used – Chemical composition	L			
6	2	Nutritive and medicinal values.	L			
Unit – V						
7	2	Present studies of apiculture in India. Prospect of apiculture as self employment venture.	L			
8	2	Preparing proposal (Layout and budget) for financial assistance of funding agencies.	L			
Seminar						

1	1	UNIT-V- Applications of silk			S	
		Class Test				
1	2	UNIT IV-UNIT V		CT		
		Final Evaluation (FE)				
1	3	Entire course				FE

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Name(s) of the Staff: Dr. M.DEIVANAYAKI

Programme:

BS.c

Semester: II semester

Academic Year: 2021-2022

Course Title: - GENERAL PRINCIPLES AND APPLIED ZOOLOGY

Course Code:

Objectives: Nutritive and medicinal values of honey.
Vermiculture and vermicomposting

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			5 hrs per unit (for 5 units)		75
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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit-IV						
1	3	Apiculture:Species of Honey Bees	L			
2	2	Types of Bee hives	L			
3	2	Care and Management honey extraction	L			
4	3	Nutritive and medicinal values of honey.	L			
Unit – V						
5	3	Vermiculture and vermicomposting	L			

6	3	Types of earthworm	L			
7	3	Vermicomposting methods-	L			
8	3	Pit,heap,tank	L			
9	3	Economic importance-Vermiwash.	L			
		Seminar				
1	3	UNIT-V- Economic importance-Vermiwash.			S	
		Class Test				
1	2	UNIT IV-UNIT V		CT		
		Final Evaluation (FE)				
1	3	Entire course				FE

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Name(s) of the Staff: Dr. M.DEIVANAYAKI

Programme:
BS.c

Academic Year: 2021-2022

Semester: II semester

Course Code:

Objectives: Transgenic animals.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instructio
Traditional Chalk and Talk Method [L]			5 hrs per unit (for 5 units)		90
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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
		Unit – V				
1	3	Application of biotechnology in Medicine	L			
2	3	Gene Therapy,	L			
3	3	Vaccine production, knowledge based drug designing.	L			
4	3	Transgenic animals.	L			
5	3	Biotechnology and future: IPR and ethical concerns.	L			
		Seminar				

1	2	UNIT-V- Biotechnology and future: IPR and ethical concerns.			S	
Class Test						
1	1	UNIT V		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

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Name(s) of the Staff: Dr. M.DEIVANAYAKI

Programme:
BS.c

Academic Year: 2021-2022

Semester: II semester

Course Title: **HUMAN NUTRITION**

Course Code:

Objectives: Health education

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			5 hrs per unit (for 5 units)		75
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

SL.NO	HOUR	UNIT -CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit – V						
1	3	Faulty food habits: obesity,	L			
2	3	Diabetes and cardiac problems	L			
3	3	Health education	L			
4	3	Malnutrition: Marasmus and Kwashiorkor - Therapeutic diets.	L			
Seminar						
1	2	UNIT-V- Diabetes and cardiac problems			S	
Class Test						
1	1	UNIT V		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

STAFF INCHARGE

Co-ordinator
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HEAD OF THE DEPARTMENT OF ZOOLOGY
GOVT. COLLEGE FOR WOMEN.
KUMBAKONAM

Name(s) of the Staff: Dr. M.DEIVANAYAKI
Programme:
BS.c
Academic Year: 2021-2022
Semester: II semester
Course Code: P21ZC206
Course Title: ANIMAL PHYSIOLOGY

Objectives: Hormonal control

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			15 hrs per unit (for 5 units)		75
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

SL.NO	HOUR	UNIT –CONTENT	MODE OF TEACHING			
			L	CT	S	FE
Unit – V						
1	3	Hormones from Hypophysis, thyroid, parathyroid, adrenal,	L			
2	3	Pancreas, gonads and their functions	L			
3	3	Molecular mechanism of hormonal action.	L			
4	3	Reproductive cycle and its hormonal control.	L			
Seminar						
1	2	UNIT-V- Reproductive cycle and its hormonal control.			S	
Class Test						
1	1	UNIT V		CT		

Final Evaluation (FE)						
1	3	Entire course				FE

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GOVT. COLLEGE FOR WOMEN
KUMBAKONAM

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

Name(s) of the Staff: Dr. M.DEIVANAYAKI

Programme:

BS.c

Academic Year: 2021-2022

Semester: II semester

Course Code: **P21Z4MBE4:1**

Course Title: **BIODIVERSITY AND CONSERVATION**

Objectives: Biotechnology and its role and impacts in Biodiversity

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			15 hrs per unit (for 5 units)		75
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

SL.NO	HOUR	UNIT –CONTENT	MODE OF TEACHING			
			L	CT	S	FE
		Unit – V				
1	3	Biotechnology and its role and impacts in Biodiversity	L			

2	3	Ecoterrorism, Data and Information Relating to Biodiversity of India	L			
3	2	EEZ - importance, Protected areas in India-	L			
4	2	The silent valley movement- Biopiracy-Biodiversity information networks in India.	L			
5	2	Problems and prospects in participatory management of Biodiversity.	L			
Seminar						
1	2	UNIT-V Biopiracy-Biodiversity information networks in India.			S	
Class Test						
1	1	UNIT V		CT		
Final Evaluation (FE)						
1	3	Entire course				FE

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF HISTORY

Teaching Plan

Name of the Staff: Dr.S.ANUSUYA

Programme: M.A.. HISTORY Academic Year: 2020-2021

Semester: I 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

Teaching Methodology	Distribution of hours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]	15 hrs per unit (for 5 units)	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 (for 3 units)	03
Seminar/problem solving/class work(S)	1 hour per unit (for 3units)	03
Creating awareness about the current development (CA)	1 hour per unit(for 3units)	03
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

S.NO	UNIT	TOPICS	LECTURE	ASSIGNMENT	GROUP DISCUUSSION	EVALUATION-CLASS TESTS	SEMINAR	CREATING AWARENSS	FE
1	I	Archaeology-Meaning-Definition and scope-Archaeology and other Disciplines-Archaeology and History –Archaeology and culture – Archaeology andEmvironment	5	-	-	1	1	-	-
2.	II	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	-
3.	III	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	-
4.	IV	Epigraphy as source material-Study of Brahmi – Tamil-Nagari-Vatteluthu-Grandha-Selected Inscriptions-Arachur-Puhalur-Meenakshipuram,Annamalai-	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 Examination)

Components of Students' Evaluation for Class Tests:
Test 1 : for 25 marks : Section A [5 X 2 = 10 marks] ; Section B [1 X 5 = 5 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 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: - Excavational Equipments- (Unit II)

Assignment Topic II for 10 marks: Epigraphy as source material (Unit IV)
Assignment Topic III for 10 marks: Gngaikonda Cholapuram, (Unit V)
Seminar Topics from Unit I,II,VSeminar topics as per the Student's Choice

Signature of the Staff Member(s)

Head of the Department

IQAC Co-Ordinator

Co-ordinator
Internal Quality Assurance Cell (IQAC)
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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF HISTORY

Teaching Plan

Name of the Staff: Mrs.S.Akila

Programme : B.A. HISTORY

Academic Year: 2020-2021

Semester: I semester

Course Code: U21HS1A1

Course Title: Modern Governments -Theory And practice-I

Objectives:

- To know the evolution of states.
- To understand the classification of government.
- To know the administration judiciary.

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			15 hrs per unit (for 5 units)		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 (for 3 units)		03
Seminar/problem solving/class work(S)			1 hour per unit (for 3units)		03
Creating awareness about the current development (CA)			1 hour per unit(for 3units)		03
Final Evaluation (FE)			3 hrs (Rehearsal)		03
Hrs per week	6	Credit	6	Total	90

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

S.NO	UNIT	TOPICS	LECTURE	ASSIGNMENT	GROUP DISCUUSSION	EVALUATION-CLASS TESTS	SEMINAR	CREATING AWARENSS	FE
1	I	State-Element of state-Governmnt-written and unwritten constitution.	5	1	-	-	-	-	-
2.	II	Unitary state-features of the unitary state-federal state.	5	-	-	1	1	1	
3.	III	Separation of powers-theory-criticism,executive	5	1	-	-	1	1	
4.	IV	Legislature-functions of legislature-delegated legislation.	5	-	-	1	1	1	
5.	V	Judiciary- the Independence of judiciary.	5	1	-	1	-	-	3(Model Examination)

Components of Students' Evaluation for Class Tests:

Test 1 : for 25 marks : Section A [5 X 2 = 10 marks] ; Section B [1 X 5 = 5 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 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 5 marks: parliamentary and presidential (Unit-II)

Assignment Topic II for 5 marks: Direct popular democratic devices(Unit-IV)

Assignment Topic III for 5 marks: Judicial review-Functions of judiciary (Unit-V)

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

Faculty

27/04/2023

HOD

IQAC Coordinator

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF HISTORY

Teaching Plan

Name of the Staff: Mrs.K.Durgadevi

Programme : B.A. HISTORY Academic Year: 2020-2021

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.

Teaching Methodology			Distribution of hours/Unit		Total Hour of Instructi
Traditional Chalk and Talk Method [L]			15 hrs per unit (for 5 units)		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 (for 3 units)		03
Seminar/problem solving/class work(S)			1 hour per unit (for 3units)		03
Creating awareness about the current development (CA)			1 hour per unit(for 3units)		03
Final Evaluation (FE)			3 hrs (Rehearsal)		03
Hrs per week	6	Credit	6	Total	90

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

S.NO	UNIT	TOPICS	LECTURE	ASSIGNMENT	GROUP DISCUUSSION	EVALUATION-CLASS TESTS	SEMINAR	CREATING AWARENSS	FE
1	I	American war of independence, The making of constitution, Washington's presidency johnAdams.	5	1	-	-	-	-	-
2.	II	Jeffersonian republicanism,madison and the war of 1812 james munroe and the Era of good feelings,munroe's doctrine.	5	-	-	1	1	1	
3.	III	Andrew jackson's presidency,westward movement ,the issue of slavery in American politics.	5	1	-	-	1	1	
4.	IV	Abraham Lincoln,the civil war 1860 to 1865,causes,courses 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(Model

		nt trade unions,U.S.Imperialism, the Spanish American war of 1898.							Examination)

Components of Students' Evaluation for Class Tests:

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

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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF HISTORY

Teaching Plan

Name of the Staff:

Dr.J.V.SANTHAJAYAKUMARI

Programme: M.A.. HISTORY Academic Year: 2020-2021

Semester: IV semester Course Code: P18HSC414

Course Title: XIV HISTORIOGRAPHY

Objectives:

- To understand the need for studying History its definition,scope and nature
- To know the contribution of Historians through ages
- To evaluate their approaches in history

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			15 hrs per unit (for 5 units)		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 (for 3 units)		03
Seminar/problem solving/class work(S)			1 hour per unit (for 3units)		03
Creating awareness about the current development (CA)			1 hour per unit(for 3units)		03
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

S.NO	UNIT	TOPICS	LECTURE	ASSIGNMENT	GROUP DISCUUSSION	EVALUATION-CLASS TESTS	SEMINAR	CREATING AWARENSS	FE
1	I	History and Historiography:Meaning, definition,nature,scope and value-Social necessity-Kinds of History-History as a social science –History and its Ancillary fields.	5	1	-	1	-	1	-
2.	II	Practioners of History-Herodotus,Thucydides,Thomas Aquinas,Ibn Kaldhun,Voltaire,Leopold,Hegel,Karl Marx,James Mill,Smith	5		-		1		
3.	III	Ancient Medieval and Modern Historiographers-Kalhana,Bana,Bilhana,Alberuni,Abul Fazal,,Amirkhusru,Bhandrakar,Sarkar,,Panikar,R.C.Dutt	5	1	-	1		1	
4.	IV	Historians of Tamilnadu:KAN sastri,K.K.Pillai,T.V.Mahalingam,S. Krishnaswamy,Sathiyanatha Iyer,Sadasiva Pndarathar,Venkataswamy,N.SubramanianK.Rajayyan	5		-	1	1	1	
5.	V	Approaches in History:British and Indian Marxists,Annalas,Cliometrics,Modernism,Structuralism,Post Modernism and Post Structutalism,Sublatern,Cambridge Historiography and their Interpretation of Indian History	5	1	-	-	1	-	3(Model Examination)

Components of Students' Evaluation for Class Tests:
Test 1 : for 25 marks : Section A [5 X 2 = 10 marks] ; Section B [1 X 5 = 5 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)
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 4)
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: Historiography:Meaning, definition,nature,scope and value- (Unit I)
Assignment Topic II for 10 marks: Modern Historiographers(Unit III)
Assignment Topic III for 10 marks: ,Annalas,Cliometrics (Unit V)

Seminar Topics from Unit II- Practioners of History-

Unit III – Historians of Tamilnadu:

Unit V – Cambridge Historiography and their Interpretation of Indian History

Signature of the Staff Member(s) Head of the Department IQAC Co-Ordinator

Co-ordinator
Internal Quality Assurance Cell (IQAC)
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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF HISTORY

Teaching Plan

Name of the Staff: Dr.S.ANUSUYA

Programme: M.A.. HISTORY Academic Year: 2020-2021

Semester: II semester Course Code: P18HSC206

Course Title: SOCIO-ECONOMIC AND CULTURAL HISTORY OF TAMILNADU FROM AD 1800 TO 2000 A.D

Objectives:

- To understand the Economic Conditions
- To know the Development of Western Education
- To evaluate the Social Reformers and their contribution to the Society

Teaching Methodology	Distribution of hours/Unit	Total Hours of Instruction
Traditional Chalk and Talk Method [L]	15 hrs per unit (for 5 units)	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 (for 3 units)	03
Seminar/problem solving/class work(S)	1 hour per unit (for 3units)	03
Creating awareness about the current development (CA)	1 hour per unit(for 3units)	03
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

S.NO	UNIT	TOPICS	LECTURE	ASSIGNMENT	GROUP DISCUUSSION	EVALUATION-CLASS TESTS	SEMINAR	CREATING AWARENSS	FE
1	I	Sources-Social Conditions-Caste System in the 19th Century – Position of Women –Sati-Child Marriage-Devadasi System-Infanticide – Religion:Saivism-Vaishnavism-Christianity-Islam	5	-	-	1	1	-	-
2.	II	Land System:Zamindari-Ryotwari-General Economic Conditions-Agriculture and Industry	5	1	-	-	-	1	-
3.	III	Indigenous Institutions of Learning-Introduction of Western Education – Missionary and Government Education –Professional and Technical Education-Female Education-Growth of Higher Education	5	1	-	-	1	1	-
4.	IV	Socio-Religious Movements-Vaikunta Swamigal,Vallalar-Theosophical Society-Ramakrishna Mission-Non-Brahmin Movement-Periyar-E.V.R and Self Respect Movements-Temple Entry-Dalit Movements	5	1	-	1	-	-	-
5.	V	Contemporary Tamilnadu : Agrarian and Industrial Development-Social Welfare Measures under Congress D.M.K,A.I.A.D.M.K Regimes – Improvement of Weaker Sections-Scheduled Caste,Tribes and Women Empowerment	5	-	-	1	1	1	3(Model Examination)

Components of Students' Evaluation for Class Tests:
Test 1 : for 25 marks : Section A [5 X 2 = 10 marks] ; Section B [1 X 5 = 5 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 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: Agriculture and Industry (Unit II)
Assignment Topic II for 10 marks: Missionary and Government Education (Unit III)
Assignment Topic III for 10 marks: Vaikunta Swamigal,Vallalar (Unit IV)

Seminar Topics from Unit I,III,V Seminar topics as per the Student's Choice

Signature of the Staff Member(s) Head of the Department IQAC Co-Ordinator

Co-ordinator
Internal Quality Assurance Cell (IQAC)
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GOVERNMENT COLLEGE FOR WOMEN (A), KUMBAKONAM

POST GRADUATE AND RESEARCH DEPARTMENT OF HISTORY

Teaching Plan

Name of the Staff: Mrs.G.SRIVIDYA

Programme: B.A. HISTORY Academic Year: 2020-2021

Semester: VI semester Course Code: 18HS6EC4

Course Title: MBEC II JOURNALISM

Objectives:

- To understand the meaning of Journalism
- To know the history of Press
- To understand the News agencies

Teaching Methodology			Distribution of hours/Unit		Total Hours of Instruction
Traditional Chalk and Talk Method [L]			15 hrs per unit (for 5 units)		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 (for 3 units)		03
Seminar/problem solving/class work(S)			1 hour per unit (for 3units)		03
Creating awareness about the current development (CA)			1 hour per unit(for 3units)		03
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

S.NO	UNIT	TOPICS	LECTURE	ASSIGNMENT	GROUP DISCUSSION	EVALUATION-CLASS TESTS	SEMINAR	CREATING AWARENSS	FE
1	I	Introduction to Journalism-Impact of Massmedia- Development of Journalism -History of Tamil Journalism	5	-	-	1		-	-
2.	II	Reporting-Kinds of News-News value-Reporters-Beat-News Agencies-Reporting of Public Meeting,crime and Sports	5	-	-	1	1	1	-
3.	III	Editing – Use of Editing Marks-Functions and Qualifications of the Editor-Sub-Editors-Inverted Pyramid form of Writing-Page makeup-headline –Lead-Feature-Editorial-Letters to the Editor	5	1	-	-	1	1	-
4.	IV	Rotary- Letter Press-Offset Printing-Role of Computers and Communication Techniques – Structure and Functioning ofNewspaper Office-Advertisement	5	1	-	1	-	1	-
5.	V	Indian Press Laws –Defamation-Contempt of Court-Indian Constitution and Press Freedom – Press Council –Prachar bharathi-Investigative Journalism	5	1	-	-	1	-	3(Model Examination)

Components of Students' Evaluation for Class Tests:
Test 1 : for 25 marks : Section A [5 X 2 = 10 marks] ; Section B [1 X 5 = 5 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 2)
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 4)
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: Letters to the Editor(Unit III)
Assignment Topic II for 5 marks: Structure and functioningof Newspaper Office(Unit IV)
Assignment Topic III for 5 marks: Press Council (Unit V)
Seminar Topics from Units II,III,V 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)
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