

DON BOSCO ARTS & SCIENCE COLLEGE
ANGADIKADAVU

(Affiliated to Kannur University Approved by Government of Kerala)
ANGADIKADAVU P.O., IRITTY, KANNUR – 670706



COURSE PLAN

MATHEMATICS

(2019 – 22)

SEMESTER - III

ACADEMIC YEAR - (2020-21)

III Semester B.Sc. Mathematics (2019 - 22)

SL. No.	Name of Subjects with Code	Name of the Teacher	Duty Hours per week
1.	3A05ENG READINGS ON DEMOCRACY AND SECULARISM	Jisha E.	5
2.	3A09MAL GADYASAHITHYAM	Rajisha C.K.	5
3.	3A09HIN KATHA SAHITHYA	Jainy N. George	5
4.	3B03 MAT ANALYTIC GEOMETRY AND APPLICATIONS OF DERIVATIVES	Anil M V	5
5.	3C03 STA PROBABILITY DISTRIBUTIONS	Priyada Jose	5
6.	3C 03 CSC WEB TECHNOLOGY WITH DATABASE MANAGEMENT SYSTEM	Vineetha Mathew	3
7.	3C 03 CSC LAB 1: PROGRAMMING IN C, WEB PROGRAMMING AND PYTHON PROGRAMMING	Vineetha Mathew	2
	Name of Class Incharge	Anil M V	

TIME TABLE

Day	09.50 Am - 10.45 Am	10.45 Am -11.40 Am	11.55 Am - 12.50 Pm	01.40 Pm - 02.35 Pm	02.35 Pm - 03.30 Pm
1	3C03 STA PROBABILITY DISTRIBUTIONS	3A05ENG READINGS ON DEMOCRACY AND SECULARISM	3C 03 CSC WEB TECHNOLOGY WITH DATABASE MANAGEMENT SYSTEM	3B03 MAT ANALYTIC GEOMETRY AND APPLICATIONS OF DERIVATIVES	3A09MAL GADYASAHITHYAM OR 3A09HIN KATHA SAHITHYA
2	3C03 STA PROBABILITY DISTRIBUTIONS	3A05ENG READINGS ON DEMOCRACY AND SECULARISM	3C 03 CSC WEB TECHNOLOGY WITH DATABASE MANAGEMENT SYSTEM	3B03 MAT ANALYTIC GEOMETRY AND APPLICATIONS OF DERIVATIVES	3A09MAL GADYASAHITHYAM OR 3A09HIN KATHA SAHITHYA
3	3C03 STA PROBABILITY DISTRIBUTION	3A05ENG READINGS ON DEMOCRACY	3C 03 CSC WEB TECHNOLOGY	3B03 MAT ANALYTIC GEOMETRY	3A09MAL GADYASAHITHYAM OR

	NS	AND SECULARISM	Y WITH DATABASE MANAGEMENT SYSTEM	AND APPLICATION S OF DERIVATIVES	3A09HIN KATHA SAHITHYA
4	3C03 STA PROBABILITY DISTRIBUTIONS	3A05ENG READINGS ON DEMOCRACY AND SECULARISM	3C 03 CSC WEB TECHNOLOGY WITH DATABASE MANAGEMENT SYSTEM	3B03 MAT ANALYTIC GEOMETRY AND APPLICATION S OF DERIVATIVES	3A09MAL GADYASAHITHYAM OR 3A09HIN KATHA SAHITHYA
5	3C03 STA PROBABILITY DISTRIBUTIONS	3A05ENG READINGS ON DEMOCRACY AND SECULARISM	3C 03 CSC WEB TECHNOLOGY WITH DATABASE MANAGEMENT SYSTEM	3B03 MAT ANALYTIC GEOMETRY AND APPLICATION S OF DERIVATIVES	3A09MAL GADYASAHITHYAM OR 3A09HIN KATHA SAHITHYA

Subject Code:	3A05 ENG
Subject Name:	Readings on Democracy and Secularism
No. of Credits:	4
No. of Contact Hours:	90
Hours per Week:	5
Name of the Teacher:	Jisha E

Course Outcomes

1. Understand the relationship between higher education and nation building.
2. Understand the basic Constitutional values and themes through articles, poems, stories, life writings and historical narratives.
3. Evolve a deeper understanding and appreciation of the meaning of the words sovereignty, socialism, secularism and democracy in the Indian context.
4. Appreciate the relationship between higher education and the Constitutional directives regarding “scientific temper” and “the spirit of enquiry”.
5. Appreciate the prevalence of “human rights” as a prerequisite for democratic living.

MODULE I

1. Ambedkar’s Concluding Speech in the Constituent Assembly, dated November 25, 1949
2. The Humiliation of a Brown Child in a European School: Kamala Das
3. The Story of a Dalit Woman’s Education and Job: Kumud Pawde
4. The Election: Sitakant Mahapatra
5. Postcard from Kashmir: Agha shahid Ali

MODULE II

6. Indian Constitution: Limited but Necessary: Prof. Gopinath Ravindran
7. The Rich Will Make Temples for Siva: Basavanna
8. Centre- state Relations: Union Government, not Central Government: Nani A Palkhivala
9. Nehru and science in the age of Corona Virus: Santhosh Paul & Dr. Harsh
10. Democracy: Langston Hughes

MODULE III

11. Blackout: Roger Mais
12. Africa: Maya Angelou
13. A Hindu Princess and Her Islamic Dynasty: Kottarathil Sankunni (Translated by T C Narayanan)

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	15-06-2020 To 19-06-2020	1	Introducing the subject
		2	Constitution
		3	Democracy
		4	Dr B R Ambedkar
		5	Module I: Ambedkar's Concluding Speech in the Constituent Assembly, dated November 25, 1949
2	22-06-2020 To 26-06-2020	6	Ambedkar's Concluding Speech in the Constituent Assembly, dated November 25, 1949
		7	Ambedkar's Concluding Speech in the Constituent Assembly, dated November 25, 1949
		8	Ambedkar's Concluding Speech in the Constituent Assembly, dated November 25, 1949
		9	Discussing Q&A
		10	The Humiliation of a Brown Child in a European School
3	29-06-2020 To 03-07-2020	11	The Humiliation of a Brown Child in a European School
		12	Racial Discrimination
		13	Tracing out the Post-colonial elements
		14	Q&A
		03 July	St. Thomas Day
04	06-07-2020 To 10-07-2020	15	CLASS TEST
		16	Who is Dalit
		17	The Story of a Dalit Woman's Education and Job
		18	The Story of a Dalit Woman's Education and Job
		19	Dalit in the Contemporary Society
5	13-07-2020 To 17-07-2020	20	Double Colonization
		21	Q&A
		22	The Election
		23	The Election
		24	The Election
6	20-07-2020 To 24-07-2020	20 July	Karkkidaka Vavu
		25	Significance of Election In Democracy
		26	Q&A
		27	CLASS TEST
		28	Postcard from Kashmir
7	27-07-2020	29	Postcard from Kashmir

No of Weeks	Dates	Session	Topic
	To 31-07-2020	30	Postcard from Kashmir
		31	Importance of Kashmir
		32	Q&A
		31 July	Bakrid
8	03-08-2020 To 07-08-2020	33	Revision: Module I
		34	REVISION TEST
		35	Module II: Indian Constitution: Limited but Necessary
		36	Indian Constitution: Limited but Necessary
		37	Indian Constitution: Limited but Necessary
9	10-08-2020 To 14-08-2020	38	Group Discussion
		39	Q&A
		40	The Rich Will Make Temples for Siva
		41	The Rich Will Make Temples for Siva
		42	The Rich Will Make Temples for Siva
10	17-08-2020 To 21-08-2020	43	Class Struggle
		44	Q&A
		45	Centre- state Relations: Union Government, not Central Government
		46	Centre- state Relations: Union Government, not Central Government
		47	Difference between Central, state, and Union Governments
11	24-08-2020 To 28-08-2020	48	Q&A
		49	Nehru and science in the age of Corona Virus
		50	Nehru and science in the age of Corona Virus
		51	Nehru and science in the age of Corona Virus
		28 August	Ayyankali Jayanthi
12	31-08-2020 To 04-09-2020		Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
13	07-09-2020 To 11-09-2020	52	Important Contributions of Nehru
		53	Scientific advancements
		54	Corona virus
		10 September	Sreekrishna Jayanthi
		55	Assignment
14	14-09-2020	56	Group Discussions

No of Weeks	Dates	Session	Topic
	To 18-09-2020	57	Q&A
		58	Revision
		59	CLASS TEST
		60	Revision
15	21-09-2020 To 25-09-2020	21 September	Sreenarayana Guru Samadhi
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
16	28-09-2020 To 02-10-2020		3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
		61	Democracy
		62	Democracy
17	05-10-2020 To 09-10-2020	63	Democracy
		64	Assignments
		65	Q&A
		66	Module III: Blackout
18	12-10-2020 To 16-10-2020	67	Blackout
		68	Racism, Class, and Pride
		69	Importance of racial narratives
		70	Q&A
19	19-10-2020 To 23-10-2020	71	Assignments
		72	Introducing Maya Angelou
		73	Africa
		74	Africa
20	26-10-2020 To 30-10-2020	75	Africa
		76	Racism, gender difference, colonialism
		77	Q&A
		78	CLASS TEST
21	02-11-2020 To 06-11-2020	26 October	Vijayadasami
		79	
		29 October	Miladi-I-Sherif
		80	A Hindu Princess and Her Islamic Dynasty
21	02-11-2020 To 06-11-2020	81	A Hindu Princess and Her Islamic Dynasty
		82	Malayalam Literature and Translation
		83	Historical Significance of the work
		84	Q&A
		85	CLASS TEST

No of Weeks	Dates	Session	Topic
		86	Revision
22	09-11-2020 To 13-11-2020	87	Revision
		88	Revision
		89	Revision
		90	REVISION TEST
			Study Leave
23	16-11-2020 To 20-11-2020		Study Leave
			Study Leave
			3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
24	23-11-2020 To 27-11-2020		3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
25	30-11-2020 To 04-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
26	07-12-2020 To 11-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
27	14-12-2020		3rd Semester University Examination Begins

Subject Code:	3B03 MAT
Subject Name:	Analytic Geometry and Applications of Derivatives
No. of Credits:	4
No. of Contact Hours:	90
Hours per Week:	5
Name of the Teacher:	Anil M V

Syllabus

3B03MAT: Analytic Geometry and Applications of Derivatives

Unit I: Conic Sections (25 hours)

Conic Sections: Parabola, Ellipse, Hyperbola, Conics in Polar Co ordinates: Eccentricity, polar equations for a conic, lines, circles (Sections 11.6, 11.7 of Text 1)

Unit II: Tangnts, Normals and Asymptotes (25 hours)

Tangents and normals: Equation of tangent, equation of Normal, Angle of intersection of two curves, Lengths of tangents, normal.

Polar Curves: Angle between radius vector and tangent, Length of the perpendicular from pole on the tangent.

Asymptotes.

(Sections 4.6, 4.7, 4.16 of Text 2).

Unit III: Curvature and Evolutes (15 hours)

Curvature, Radius of curvature for Cartesian and polar curves, Centre of Curvature, Circle of curvature, Evolutes (Sections 4.10, 4.11, 4.12 of Text 2).

Unit IV: Mean Value Theorems, Extreme values of functions, Curve Sketching and Indeterminate forms (25 hours)

Fundamental Theorems: Rolle's Theorem, Lagrange's Mean Value Theorem, Cauchy's Mean Value Theorem, Taylors Theorem (without proof),

Expansions of functions (Sections 4.3, 4.4 of Text 2)

Extreme values of functions, Monotonic functions and first derivative test, concavity and curve sketching, Indeterminate forms (Proof of L'Hospital's rule excluded) (Sections 4.1, 4.3, 4.4, 7.5 of Text 1).

Texts

1. G.B, Thomas Jr., M.D. Weir and J.R. Hass, Thomas' Calculus (12th edition), Pearson Education

2. Higher Engineering Mathematics, B.S. Grewal (43rd edition), Khanna Publishers.

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	15-06-2020 To 19-06-2020	1	Conic sections: introduction
		2	Parabola
		3	Ellipse
		4	Hyperbola
		5	Examples
2	22-06-2020 To 26-06-2020	6	Conics in polar coordinates
		7	Polar form and examples
		8	Lines and Circles
		9	Examples
		10	Tangents and Normals
3	29-06-2020 To 03-07-2020	11	Examples to find tangents and normal
		12	Angle of intersection of curves
		13	Examples
		14	Examples
		03 July	St. Thomas Day
4	06-07-2020 To 10-07-2020	15	Length of tangents and normals
		16	Length of Subtangent, subnormal
		17	Examples
		18	Examples
		19	Polar curves
5	13-07-2020 To 17-07-2020	20	Angle between radius vector and tangent
		21	Polar subtangent and subnormal
		22	Examples
		23	Examples
		24	Assignment
6	20-07-2020 To 24-07-2020	20 July	Karkkidaka Vavu
		25	Asymptotes: introduction
		26	Vertical and horizontal asymptotes
		27	Examples
		28	Method to find asymptotes parallel to axes
7	27-07-2020 To 31-07-2020	29	General method to find asymptote of a curve
		30	Examples
		31	Examples
		32	Examples
		31 July	Bakrid

No of Weeks	Dates	Session	Topic
8	03-08-2020 To 07-08-2020	33	Asymptote of a polar curve
		34	Curvature:introduction
		35	Curvature and radius of curvature
		36	Formula for radius of curvature
		37	Examples to find radius of curvature
9	10-08-2020 To 14-08-2020	38	Radius of curvature for parametric curves
		39	Examples
		40	Radius of curvature for polar curves
		41	Examples
		42	Radius of curvature of circle
10	17-08-2020 To 21-08-2020	43	Circle of curvature and centre of curvature
		44	Evolutes
		45	Evolute of parabola
		46	Evolute of ellipse
		47	Evolute of hyperbola
11	24-08-2020 To 28-08-2020	48	Examples of finding evolutes of other curves
		49	Finding evolute of cycloid, rectangular hyperbola
		50	Rolle's theorem
		51	Examples of Rolle's theorem
		28 August	Ayyankali Jayanthi
12	31-08-2020 To 04-09-2020		Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
13	07-09-2020 To 11-09-2020	52	Mean Value theorem
		53	Examples of mean value theorem
		54	Proving results using Mean Value theorem
		10 September	Sreekrishna Jayanthi
		55	Cauchy's Mean Value theorem
14	14-09-2020 To 18-09-2020	56	Examples
		57	Taylor's theorem
		58	Maclaurin's theorem
		59	Examples
		60	Expansions of functions
15	21-09-2020 To	21 September	Sreenarayana Guru Samadhi
			3 rd Semester 1 st Internal Exam
			3 rd Semester 1 st Internal Exam

No of Weeks	Dates	Session	Topic
	25-09-2020		3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
16	28-09-2020 To 02-10-2020		3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
		61	Maclaurin's series expansions
		62	Taylor's series expansions
		63	Examples
17	05-10-2020 To 09-10-2020	64	Indeterminate forms
		65	L'Hospital's rule
		66	L'Hospital's rule for 0/0 form
		67	L'Hospital's rule for ∞/∞ form
		68	Applying L'Hospital's rule for other forms
18	12-10-2020 To 16-10-2020	69	Indeterminate powers
		70	Examples
		71	Examples
		72	Assignment
		73	Extreme values of functions
19	19-10-2020 To 23-10-2020	74	Local extreme values
		75	First derivative theorem
		76	Examples
		77	Monotonic functions
		78	First derivative test
20	26-10-2020 To 30-10-2020	26 October	Vijayadasami
		79	Examples
		29 October	Miladi-I-Sherif
		80	Second derivative test for local extreme values
		81	Concavity
21	02-11-2020 To 06-11-2020	82	Points of inflections
		83	Examples
		84	Seminar
		85	Seminar
		86	Seminar
22	09-11-2020 To 13-11-2020	87	Curve sketching
		88	Curve sketching examples
		89	Curve sketching examples
		90	Curve sketching examples
			Study Leave
23	16-11-2020		Study Leave
			Study Leave
			Study Leave

No of Weeks	Dates	Session	Topic
	To 20-11-2020		3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
24	23-11-2020 To 27-11-2020		3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
			Study Leave
			Study Leave
25	30-11-2020 To 04-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
26	07-12-2020 To 11-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
27	14-12-2020		3rd Semester University Examination Begins

Subject Code:	3C03 STA
Subject Name:	PROBABILITY DISTRIBUTIONS
No. of Credits:	3
No. of Contact Hours:	90
Hours per Week:	5
Name of the Teacher:	Priyada Jose

SYLLABUS

Module – I:Mathematical Expectation: –

Definition and properties of mathematical expectation, Addition and multiplication theorem on expectation, Expectation of functions of random variables, Moments - Definition of raw and central moments, relation between raw and central moments, Expectation of bivariate random variables, conditional mean and variance, Coefficient of correlation between random variables. Moment generating function - Definition and properties, Characteristic function - Definition and properties.

(22Hrs)

Module – II Discrete Distributions :-

Definition, moments, m.g.f., characteristic function, properties and different characteristics of discrete uniform distribution, Bernoulli distribution, Binomial distribution, Poisson distribution and Geometric distribution.

(25Hrs)

Module – III: Continuous Distributions: –

Definition, moments, m.g.f., characteristic function, properties and different characteristics of Uniform distribution, Normal distribution, Standard normal distribution, Exponential distribution, Gamma distribution with one and two parameters, Beta distributions of I and II kind.

(25 Hrs)

Module-IV: Sampling distributions: -

Definition, standard error, sampling distribution of sample mean and sample variance, Chi-square, Student's t and F distributions, Interrelations between chi-square, t and F distributions.

(18Hrs)

Books for Study:

1. Gupta, S. C. & Kapoor, V. K. (1980). *Fundamentals of Mathematical Statistics*, Sultan Chand & Sons, New Delhi.
2. Goon, A. M., Gupta, M. K. & Dasgupta, B. (2003). *An Outline of Statistical Theory, Volume I, 4thEdn, The World Press Pvt. Ltd., Kolkata.*

Books for Reference:

1. John E. Freund (1980). *Mathematical Statistics, Prentice Hall of India, New Delhi.*
2. Rohatgi, V. K. (1993). *An Introduction to Probability Theory and Mathematical Statistics, Wiley Eastern, New Delhi.*

3. Mood, A. M., Graybill, F. A. & Boes, D. C. (2007). *Introduction to the Theory of Statistics, 3rd Edn (Reprint)*. Tata McGraw-Hill Publishing Company Ltd., New Delhi. Press

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	15-06-2020 To 19-06-2020	1	Definition of mathematical expectation
		2	Addition theorem on expectation
		3	Multiplication theorem on expectation
		4	Expectation of function of random variable
		5	Problems of random variables
2	22-06-2020 To 26-06-2020	6	Raw moments in expectation
		7	Central moments of expectation
		8	Relation between raw moments and central moments
		9	Cauchy's inequality
		10	Problems on expectation
3	29-06-2020 To 03-07-2020	11	Expectation of bivariate random variable
		12	Conditional mean and variance of expectation
		13	Problems on expectation
		14	Correlation coefficient of expectation
		03 July	St. Thomas Day
4	06-07-2020 To 10-07-2020	15	Problems on expectation
		16	Definition of moment generating function
		17	Properties of mgf
		18	Problems on mgf
		19	Definition of characteristic function
5	13-07-2020 To 17-07-2020	20	Properties of characteristic function
		21	Problems of characteristic function
		22	Revision
		23	Class test –Module 1
		24	Discrete distribution

No of Weeks	Dates	Session	Topic
6	20-07-2020 To 24-07-2020	20 July	Karkkidaka Vavu
		25	Uniform and Bernoulli distribution
		26	Binomial distribution
		27	Moments of binomial distribution
		28	Additive property of binomial distribution
7	27-07-2020 To 31-07-2020	29	Problems
		30	Recurrence relation for central moment
		31	Recurrence relation for binomial distribution
		32	Mode of binomial distribution
		31 July	Bakrid
8	03-08-2020 To 07-08-2020	33	Problems on binomial distribution
		34	Fitting of binomial distribution
		35	Problems on binomial distribution
		36	Poisson distribution
		37	Poisson distribution as a limiting form of binomial distribution
9	10-08-2020 To 14-08-2020	38	Problems
		39	Additive property of Poisson distribution
		40	Recurrence relation for central moment of Poisson distribution
		41	Mode of Poisson distribution
		42	Problems of Poisson distribution
10	17-08-2020 To 21-08-2020	43	Fitting of Poisson distribution
		44	Geometric distribution
		45	Moments of Geometric distribution
		46	Lack of memory property
		47	Problems
11	24-08-2020 To 28-08-2020	48	Class test-Module 2
		49	Continuous Distribution
		50	Uniform distribution

No of Weeks	Dates	Session	Topic
		51	Problems of uniform distribution
		28 August	Ayyankali Jayanthi
12	31-08-2020 To 04-09-2020		Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
13	07-09-2020 To 11-09-2020	52	Gamma distribution
		53	Additive property of Gamma distribution
		54	Problems of Gamma distribution
		10 September	Sreekrishna Jayanthi
		55	Exponential Distribution
14	14-09-2020 To 18-09-2020	56	Problems of Exponential Distribution
		57	Lack of memory property
		58	Beta distribution
		59	Beta distribution first kind
		60	Problems
15	21-09-2020 To 25-09-2020	21 September	Sreenarayana Guru Samadhi
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
16	28-09-2020 To 02-10-2020		3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
		61	Beta distribution second kind
		62	Problems
		63	Problems
17	05-10-2020 To	64	Normal distribution
		65	Moments of Normal distribution

No of Weeks	Dates	Session	Topic
	09-10-2020	66	MGF of Normal distribution
		67	Mode of Normal distribution
		68	Standard Normal distribution
18	12-10-2020 To 16-10-2020	69	Problems of Normal distribution
		70	Problems of Normal distribution
		71	Revision
		72	Class test-Module 3
		73	Sampling distributions
19	19-10-2020 To 23-10-2020	74	standard error, sampling distribution of sample mean
		75	sample variance
		76	Problems
		77	Chi-square
		78	Problems
20	26-10-2020 To 30-10-2020	26 October	Vijayadasami
		79	Student's t distributions
		29 October	Miladi-I-Sherif
		80	F distributions
		81	Problems
21	02-11-2020 To 06-11-2020	82	Interrelations between chi-square, t and F distributions
		83	Problems
		84	Class test -Module 4
		85	Revision
		86	Revision
22	09-11-2020 To 13-11-2020	87	Previous year question paper discussion
		88	Previous year question paper discussion
		89	Previous year question paper discussion
		90	Previous year question paper discussion
			Study Leave
23	16-11-2020		Study Leave

No of Weeks	Dates	Session	Topic
	To 20-11-2020		Study Leave
			3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
24	23-11-2020 To 27-11-2020		3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
			Study Leave
			Study Leave
25	30-11-2020 To 04-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
26	07-12-2020 To 11-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
27	14-12-2020		3 rd Semester University Examination Begins

Subject Code:	3C 03 CSC
Subject Name:	WEB TECHNOLOGY WITH DATABASE MANAGEMENT SYSTEM
No. of Credits:	2
No. of Contact Hours:	54
Hours per Week:	3
Name of the Teacher:	Vineetha Mathew

COURSE OUTCOME

CO1: Develop skills to design a web page using HTML

CO2: Understand HTML Forms and CSS Styling

CO3: Develop skills to develop database and retrieve data using SQL

CO4: Learn basics of server-side programming with PHP

SYLLABUS

Unit I:HTML Basics

Introduction to WWW and HTML, Steps for hosting a website, Structure of HTML, HTML elements and attributes, Headings, Paragraphs, Formatting tags, line breaks, Comments, Links, Images, Lists, HTML5 Semantic Elements (header, footer, nav, section, article, nav, aside), HTML Tables. (14 Hrs)

Unit II:HTML Forms and CSS

HTML Forms (input, select, textarea, button, datalist), Input types (text, password, submit, radio, checkbox, date, email), Input attributes (value, readonly, disabled, maxlength, autocomplete, list, min, max, placeholder), HTML5 form validation (required and pattern attribute of input type), Applying style to html using CSS (Inline, Internal and External CSS, Colors, Fonts, Borders, Padding, Applying style using class and id attribute) (12 Hrs)

Unit III: Database Management System

Database Management System (Introduction, Simplified DBMS structure, advantages of DBMS, Database Administrators, Designers, End Users, System Analysts and Application Programmers), Relational Data Model (Domains, Attributes, Tuples,

Relations), Relational Data Model Constraints (Domain Constraints, Key Constraints) SQL Data Definition and Basic Data Types, Schema, DDL Statements (Create, Alter, Drop), Specifying Key Constraints in SQL, DML (Select, Insert, Update, Delete), Ordering Tuples, Renaming Attributes, Substring Pattern Matching and Arithmetic Operators, Aggregate Functions in SQL, Group By and Having, Joins (Inner and Outer) (18 Hrs)

Unit IV: Introduction to PHP

Introduction to PHP, PHP basics (Variable, data types, Constants, Operators), Flow control (if, switch, while, for), Functions, Strings, Arrays, Form Handling (GET and POST methods), Connecting php to a database. (10 Hrs)

Books for Study:

1. Julie C. Meloni, HTML and CSS in 24 Hours, Sams Teach Yourself (Updated for HTML5 and CSS3), Ninth Edition
2. RamezElmasri, Shamkant B. Navathe, Fundamentals of Database Systems, 7th Edition, Pearson
3. <https://www.w3schools.com/php/>

Books for Reference:

1. Powell, Thomas A. HTML & CSS: The Complete Reference. McGraw Hill Education; 5 edition.
2. Silberschatz, Abraham, Henry F. Korth, and ShashankSudarshan. Database system concepts. McGraw-Hill.
3. PHP: The Complete Reference, Steven Holzner, McGraw Hill Education
4. <https://www.w3schools.com/css/>
5. <https://www.w3schools.com/html/>

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	15-06-2020 To 19-06-2020	1	Introduction
		2	Introduction to WWW and HTML
		3	Steps for hosting a website
2	22-06-2020 To 26-06-2020	4	Structure of HTML, HTML elements and attributes
		5	Headings, Paragraphs
		6	Formatting tags
3	29-06-2020 To 03-07-2020	7	Line breaks, Comments
		8	Links
		9	Images
		03 July	St. Thomas Day
4	06-07-2020 To 10-07-2020	10	Lists
		11	HTML5 Semantic Elements (header, footer, nav, section, article, nav, aside)
		12	HTML Tables.
5	13-07-2020 To 17-07-2020	13	Revision
		14	Class test
		15	HTML Forms (input, select, textarea, button, datalist)
6	20-07-2020 To 24-07-2020	20 July	Karkkidaka Vavu
		16	HTML Forms
		17	Input types (text, password, submit, radio)
		18	Input types (checkbox, date, email)
7	27-07-2020 To 31-07-2020	19	Input attributes (value, readonly, disabled, maxlength, autocomplete)
		20	Input attributes (list, min, max, placeholder)
		21	HTML5 form validation (required and pattern attribute of input type)
		31 July	Bakrid
8	03-08-2020 To 07-08-2020	22	Applying style to html using CSS - Inline, Internal and External CSS
		23	Colors, Fonts
		24	Borders, Padding, Applying style using class and id attribute
9	10-08-2020 To 14-08-2020	25	Revision
		26	Class Test
		27	Database Management System -Introduction

No of Weeks	Dates	Session	Topic
10	17-08-2020 To 21-08-2020	28	Simplified DBMS structure, advantages of DBMS
		29	Database Administrators, Designers, End Users, System Analysts and Application Programmers
		30	Relational Data Model (Domains, Attributes, Tuples, Relations)
11	24-08-2020 To 28-08-2020	31	Relational Data Model
		32	Relational Data Model Constraints (Domain Constraints, Key Constraints)
		33	SQL Data Definition
		28 August	Ayyankali Jayanthi
12	31-08-2020 To 04-09-2020		Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
13	07-09-2020 To 11-09-2020	34	Basic Data Types, Schema
		10 September	Sreekrishna Jayanthi
		35	DDL Statements (Create, Alter, Drop)
14	14-09-2020 To 18-09-2020	36	DDL Statements (Create, Alter, Drop)
		37	Specifying Key Constraints in SQL
		38	DML(Select, Insert)
15	21-09-2020 To 25-09-2020	21 September	Sreenarayana Guru Samadhi
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
16	28-09-2020 To 02-10-2020		3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
		39	DML (Update, Delete)
17	05-10-2020 To 09-10-2020	40	Ordering Tuples, Renaming Attributes, Substring Pattern Matching and Arithmetic Operators
		41	Aggregate Functions in SQL, Group By and Having
		42	Joins (Inner and Outer)
18	12-10-2020 To 16-10-2020	43	Revision
		44	Class test
		45	Introduction to PHP
19	19-10-2020	46	PHP basics (Variable, data types, Constants,

No of Weeks	Dates	Session	Topic
	To 23-10-2020		Operators)
		47	Flow control (if, switch, while, for)
		48	Functions
20	26-10-2020 To 30-10-2020	26 October	Vijayadasami
		49	Strings, Arrays
		29 October	Miladi-I-Sherif
		50	Form Handling (GET and POST methods),
21	02-11-2020 To 06-11-2020	51	Connecting php to a database.
		52	Connecting php to a database.
		53	Revision
22	09-11-2020 To 13-11-2020	54	Class Test
			Study Leave
23	16-11-2020 To 20-11-2020		Study Leave
			Study Leave
			3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
24	23-11-2020 To 27-11-2020		3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
			Study Leave
			Study Leave
25	30-11-2020 To 04-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
26	07-12-2020 To 11-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
27	14-12-2020		3rd Semester University Examination Begins

Subject Code:	3C 03 CSC
Subject Name:	LAB 1: PROGRAMMING IN C, WEB PROGRAMMING AND PYTHON PROGRAMMING
No. of Credits:	-
No. of Contact Hours:	36
Hours per Week:	2
Name of the Teacher:	Vineetha Mathew

COURSE OUTCOME

CO1: Understand SQL and basic web programming

DBMS and Web Programming

1. Create an HTML page for your college. It should contain the following

- Heading tags
- An image of the college. Use the width and border attributes.
- A brief description of the college which should include some text in bold, italics.

The contents

background color should be set as black and text color should be set as white. Font size should be 14 pt.

d) List of programmes offered by the college (Use unordered lists)

e) Display the timings of each period using ordered list as shown below.

- 9.30 – 10.30
- 10.30 – 11.30
- 11.30 – 12.30
- 1.30 - 2.30
- 2.30 – 3.30

2. Create an HTML page which contains the heading Result. The body should contain your name and register no. Create a hyper link to another page which displays your mark list as shown in the format below. Apply CSS styling to table to make the header rows background color light blue.

Your Name (Your Reg No.)					
Course Title	Marks Awarded			Max Marks	Result
	IA	ESE	Total		
Paper 1	10	38	48	50	P
Paper 2	9	30	39	50	P
Paper 3	10	40	50	50	P
Total Marks			137	150	P

3. Create an HTML form to accept name, gender, email, date of birth, password, address, programme, University, Languages Known. The following requirements are to be satisfied.

- Use place holders for name, email and password

- b) Programmes should be displayed using a data list with values Computer Science, Physics, Chemistry, Mathematics and Statistics.
- c) Date of birth should be accepted from a calendar. Use appropriate input type.
- d) University should be a drop-down list with values Kannur University, University of Calicut, MG University and Kerala University
- e) Address should contain multiple lines of text
- f) Languages known should be check boxes for Malayalam, English and Hindi.
- g) Name is mandatory field (cannot be left blank). Email should be validated for proper format before submission.
- h) On clicking submit button, a new HTML page should be displayed with a message “Successfully Registered”.

4. A university needs to maintain details of students. Create a table with the schema student (regno, name, sex, city, programme, cgpa). regno is the primary key. cgpa should be a real number with 3 digits to the right of the decimal point. Apply suitable constraints to ensure that sex can take up only values ‘m’ or ‘f’ and that cgpa is a decimal number between 0 and 10. Insert the following data into the table.

RegNo.	Name	Sex	City	Programme	CGPA
1001	Rahul	m	Kasaragod	Mathematics	8.550
1002	Shravan	m	Wayanad	Computer Science	6.550
1003	Arjun	m	Kannur	Mathematics	3.550
1004	Sandra	f	Kannur	Computer Science	9.010
1005	Santhosh	m	Wayanad	Computer Science	3.450
1006	Rajeev	m	Kannur	Computer Science	8.120
1007	Anjali	f	Kasaragod	Mathematics	8.250
1008	Megha	f	Kannur	Computer Science	4.850

- a) Rename the column city as place.
- b) Update the programme “Computer Science” with “CS”.
- c) Select the regno, name, programme and cgpa of all boy students whose name starts with the letter “S”. Name should be displayed in capital letters.
- d) Display the regno, name, programme and cgpa of the top scorer in “CS”.
- e) Display all details of girl students who got “A” Grade (cgpa between 8 and 8.99) in Mathematics.
- f) Delete the records of all students who failed (cgpa < 4.00).

5. A bank needs to maintain customer and account details. Create 2 tables with following schema.

Customer (custid, name, sex, city) and account (custid, accno, type, amount). custid is the primary key for the customer table and accno is the primary key for the account table. Apply suitable constraints to ensure that sex can take up only values ‘m’ or ‘f’. Insert the following data into the tables.

customer			
custid	name	sex	city
101	Arjun	m	Kannur
102	Megha	f	Kannur

account			
custid	accno	type	amount
101	1001	SB	1000
101	1002	FIXED	10000

103	Diya	f	Kasaragod
104	John	m	Calicut
105	Anagha	f	Calicut
106	Sayeed	m	Calicut
107	Rahul	m	Calicut

102	1003	SB	2000
103	1004	FIXED	2000
104	1005	SB	1000
105	1006	FIXED	30000
106	1007	SB	1000

a) Using join, display all the details of customers having only FIXED account in the bank.

The details should include their account details also. Sort the result in descending order of amount.

b) Display all the details of customers in the bank along with their account details. The result should include customers even if they do not have SB or FIXED accounts.

c) Maturity amount for a FIXED account is calculated by adding 8% to the amount (i.e. $\text{maturity_amount} = \text{amount} * 1.08$). Write a SELECT query to display custid, name, amount, maturity_amount for all the customers having only FIXED accounts in the bank.

d) Find the total amount in the account table.

e) Deduct the amount by Rs. 50 for all SB accounts in the bank using UPDATE statement.

f) Write a single SQL query to display the total amount for FIXED and total amount for SB accounts.

6. Create a table with following schema books(title, author, shelfno). Create an HTML file which

contains a form to accept book's title, author and shelf no. Write a PHP program to insert title, author and shelf no in the form to the books table. Insert 3 books' details using this and verify whether the details are present in the table using SQL.

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	15-06-2020 To 19-06-2020	1	Introduction
		2	Sample HTML program
2	22-06-2020 To 26-06-2020	3	Sample HTML program
		4	Sample HTML program
3	29-06-2020 To 03-07-2020	5	Sample HTML program
		6	Sample HTML program to apply various formatting tags
		03 July	St. Thomas Day
4	06-07-2020 To 10-07-2020	7	Sample HTML program to create link
		8	Sample HTML program to create images
5	13-07-2020 To 17-07-2020	9	Sample HTML program to create various list
		10	Create an HTML page which contains the heading Result. The body should contain your name and register no. Create a hyper link to another page which displays your mark list as shown in the format below. Apply CSS styling to table to make the header rows background color light blue.
6	20-07-2020 To 24-07-2020	20 July	Karkkidaka Vavu
		11	Create an HTML page which contains the heading Result. The body should contain your name and register no. Create a hyper link to another page which displays your mark list as shown in the format below. Apply CSS styling to table to make the header rows background color light blue.
		12	Sample HTML program for creating forms
7	27-07-2020 To 31-07-2020	13	Sample HTML program for creating forms
		14	Sample HTML program for creating forms
		31 July	Bakrid
8	03-08-2020 To 07-08-2020	15	Create an HTML page for your college
		16	Create an HTML page for your college

No of Weeks	Dates	Session	Topic
9	10-08-2020 To 14-08-2020	17	Create an HTML page for your college
		18	Sample HTML program using CSS
10	17-08-2020 To 21-08-2020	19	Sample HTML program using CSS
		20	Create an HTML form to accept name, gender, email, date of birth, password, address, programme, University, Languages Known.
11	24-08-2020 To 28-08-2020	21	Create an HTML form to accept name, gender, email, date of birth, password, address, programme, University, Languages Known.
		28 August	Ayyankali Jayanthi
12	31-08-2020 To 04-09-2020		Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
13	07-09-2020 To 11-09-2020	22	Sample program to create table in database
		10 September	Sreekrishna Jayanthi
14	14-09-2020 To 18-09-2020	23	Sample program to create table in database
		24	Sample program to create table in database
15	21-09-2020 To 25-09-2020	21 September	Sreenarayana Guru Samadhi
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
16	28-09-2020 To 02-10-2020		3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
		25	Sample program to create table, insert data in database
17	05-10-2020 To 09-10-2020	26	Sample program to create table update, delete data in database
		27	A university needs to maintain details of students. Create a table with the schema student (regno, name, sex, city, programme, cgpa). regno is the primary key. cgpa should be a real number with 3 digits to the right of the decimal point. Apply suitable constraints to

No of Weeks	Dates	Session	Topic
			ensure that sex can take up only values 'm' or 'f' and that cgpa is a decimal number between 0 and 10.
18	12-10-2020 To 16-10-2020	28	A university needs to maintain details of students. Create a table with the schema student (regno, name, sex, city, programme, cgpa). regno is the primary key. cgpa should be a real number with 3 digits to the right of the decimal point. Apply suitable constraints to ensure that sex can take up only values 'm' or 'f' and that cgpa is a decimal number between 0 and 10.
		29	A bank needs to maintain customer and account details. Create 2 tables with following schema. Customer (custid, name, sex, city) and account (custid, accno, type, amount). custid is the primary key for the customer table and accno is the primary key for the account table. Apply suitable constraints to ensure that sex can take up only values 'm' or 'f'.
19	19-10-2020 To 23-10-2020	30	A bank needs to maintain customer and account details. Create 2 tables with following schema. Customer (custid, name, sex, city) and account (custid, accno, type, amount). custid is the primary key for the customer table and accno is the primary key for the account table. Apply suitable constraints to ensure that sex can take up only values 'm' or 'f'.
		31	Create a table with following schema books(title, author, shelfno). Create an HTML file which contains a form to accept book's title, author and shelf no. Write a PHP program to insert title, author and shelf no in the form to the books table. Insert 3 books' details using this and verify whether the details are present in the table using SQL.
20	26-10-2020 To 30-10-2020	26 October	Vijayadasami
		32	Lab practise
		29 October	Miladi-I-Sherif
		33	Lab practise
21	02-11-2020 To 06-11-2020	34	Lab practise
		35	Lab practise
22	09-11-2020 To 13-11-2020	36	Practical Exam
			Study Leave
23	16-11-2020		Study Leave

No of Weeks	Dates	Session	Topic
	To 20-11-2020		Study Leave
			3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
24	23-11-2020 To 27-11-2020		3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
			Study Leave
			Study Leave
25	30-11-2020 To 04-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
26	07-12-2020 To 11-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
27	14-12-2020		3 rd Semester University Examination Begins

Subject Code:	3A09MAL
Subject Name:	Malayalam (ഗദ്യ സാഹിത്യം)
No. of Credits:	4
No. of Contact Hours:	90
Hours per Week:	5
Name of the Teacher:	Rajisha CK

Common course3
Gadhyasahithyam

Course outcomes

1. ആത്മകഥ,സ്മരണ, നിരൂപണം,കേട്ടെഴുത്ത്, സഞ്ചാര സാഹിത്യം എന്നിവയുടെ ഉത്ഭവം, വളർച്ചഎന്നിവയെക്കുറിച്ച് സാമാന്യധാരണ ഉണ്ടാവുക.
2. ഗദ്യസാഹിത്യകൃതികൾ വായിക്കുന്നതിനുംനിരൂപണ മനോഭാവത്തോടെ ആസ്വദിക്കുന്നതിനും പ്രാപ്തമാക്കുക.
3. ഗൗരവപൂർണ്ണമായഒരു സിനിമാസ്വാദനസംസ്കാരം വളർത്തിയെടുക്കുക.
4. വിവിധ ഗദ്യ രചനാ ശൈലികൾ പരിചയപ്പെടുക.
5. ഗദ്യ ഭാഷയുടെ പ്രയോഗ ശേഷി വികസിപ്പിക്കുക.

Syllabus

യൂണിറ്റ് 1

ആത്മകഥ/സ്മരണ

1. കൊഴിഞ്ഞ ഇലകൾ (ആദ്യത്തെ 5 അദ്ധ്യായങ്ങൾ) പ്രൊഫസർ ജോസ് എസ് ശ്ലീസി
2. നീർമാതളംപൂത്തകാലം (ആദ്യത്തെ ഏഴ് അദ്ധ്യായങ്ങൾ) മാധവിക്കുട്ടി
3. ചിദംബര സ്മരണ (ഭൂണഹത്യ മുതൽ രാജകുമാരിയും യാചക ബാലനുംവരെയുള്ള 5 അദ്ധ്യായങ്ങൾ)- ബാലചന്ദ്രൻ ചുള്ളിക്കാട്

യൂണിറ്റ് 2

ജീവചരിത്രം/ കേട്ടെഴുത്ത്

1. മൃത്യുഞ്ജയം കാവ്യജീവിതം (നിത്യതയിൽ ഒരു നീർപ്പോള എന്ന അധ്യായം മുതൽ വിവർത്തനം ആത്മാവിഷ്കാരം എന്ന അധ്യായം വരെയുള്ള നാല് അദ്ധ്യായങ്ങൾ) - എം കെ സാനു കുമാരനാശാനെക്കുറിച്ച്.
2. അടയാർ ടീച്ചറും മറ്റ് അസാധാരണ ജീവിതങ്ങളും (അടയാറ് ടീച്ചർ എന്ന അധ്യായം മാത്രം) താഹാ മാടായി

യൂണിറ്റ് 3

സഞ്ചാര സാഹിത്യം

1. ക്ലിയോപാട്രയുടെ നാട്ടിൽ പെരിയ പെരിയപിരമിഡിന്റെ മുകളിൽമുതൽ എന്ന അദ്ധ്യായം മുതൽ ക്ലിയോപാട്രയുടെനാട്ടിൽ വരെയുള്ളതുമുതൽ (എസ് കെ പൊറ്റക്കാട്.
2. ഏതേതോ സരണികളിൽ(അദ്ധ്യായം 22 മാത്രം) സി വി ബാലകൃഷ്ണൻ.

യൂണിറ്റ് 4
നിരൂപണം (സാഹിത്യം,സിനിമ)

1. ആഘോഷിക്കപ്പെടാത്ത പോയൊരു സപ്തതിയുടെ ഓർമ്മയ്ക്ക് (പേറ്റനോവും ഈ റൂപുണ്യവുംഎന്നപുസ്തകത്തിലെ) പി ഗീത
2. മേലചാദിതമായ നക്ഷത്രം (മത്സ്യ മഴപെയ്യുന്ന സന്ധ്യകൾ എന്ന പുസ്തകത്തിലെ) എൻ ശശിധരൻ

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	15-06-2020 To 19-06-2020	1	ഭാഷാ പഠനത്തിന് ഒരു ആമുഖം
		2	ഗദ്യ സാഹിത്യത്തിന്റെ നാൾവഴികൾ ഉദയം, വികാസം, വളർച്ച, എന്നിവയെ കുറിച്ചുള്ള ചർച്ച.
		3	ഗദ്യ സാഹിത്യത്തിന്റെ നാൾവഴികൾ ഉദയം, വികാസം, വളർച്ച, എന്നിവയെ കുറിച്ചുള്ള ചർച്ച.
		4	സിലബസ് പരിചയപ്പെടുത്തൽ.
		5	ആത്മകഥാസാഹിത്യത്തിന് ഒരു ആമുഖം.
2	22-06-2020 To 26-06-2020	6	ജോസഫ് മുണ്ടശ്ശേരിയെ പരിചയപ്പെടുത്തൽ
		7	കൊഴിഞ്ഞ ഇലകൾ എന്ന ആത്മകഥ യെ കുറിച്ചുള്ള സാമാന്യ വിവരണം.
		8	പാഠഭാഗത്തിലെ അദ്ധ്യായം ഒന്ന് വിവരണം
		9	പാഠഭാഗത്തിലെ അദ്ധ്യായം ഒന്ന് വിവരണം
		10	പാഠഭാഗത്തിലെ അദ്ധ്യായം ഒന്ന് വിവരണം
3	29-06-2020 To 03-07-2020	11	പാഠഭാഗത്തിലെ അദ്ധ്യായം 2 വിവരണം
		12	പാഠഭാഗത്തിലെ അദ്ധ്യായം 2 വിവരണം
		13	പാഠഭാഗത്തിലെ അദ്ധ്യായം 3 വിവരണം
		14	പാഠഭാഗത്തിലെ അദ്ധ്യായം 4 വിവരണം
		03 July	St. Thomas Day
4	06-07-2020 To 10-07-2020	15	ക്ലാസ് പരീക്ഷ
		16	മാധവിക്കുട്ടിയെ പരിചയപ്പെടുത്തുന്നു.
		17	നിർമാതളം പൂത്ത കാലം എന്ന കൃതിയുടെ സാമാന്യവിവരണം.
		18	പാഠഭാഗത്തിലെ അദ്ധ്യായം ഒന്ന് വിവരണം.
		19	പാഠഭാഗത്തിലെ അദ്ധ്യായം രണ്ട് വിവരണം.

5	13-07-2020 To 17-07-2020	20	പാഠഭാഗത്തിലെ അധ്യായം മൂന്ന് വിവരണം.
		21	പാഠഭാഗത്തിലെ അധ്യായം നാല് വിവരണം.
		22	പാഠഭാഗത്തിലെ അധ്യായം അഞ്ച് വിവരണം.
		23	പാഠഭാഗത്തിലെ അധ്യായം ആറ് വിവരണം.
		24	പാഠഭാഗത്തിലെ അധ്യായം ഏഴ് വിവരണം.
6	20-07-2020 To 24-07-2020	20 July	Karkkidaka Vavu
		25	ക്ലാസ് പരീക്ഷ
		26	ബാലചന്ദ്രൻ ചുള്ളിക്കാട് എന്ന എഴുത്തുകാരനെ പരിചയപ്പെടുത്തുന്നു.
		27	ചിദംബരസ്തൂരണ എന്ന കൃതിയുടെ സാമാന്യവിവരണം.
		28	ഭൂണഹത്യ എന്ന അധ്യായം വിവരണം
7	27-07-2020 To 31-07-2020	29	ഏതു നാടകമായിരുന്നു അത് എന്ന അധ്യായം വിവരണം.
		30	ഇരുന്നണ്ടൊണം എന്ന അധ്യായം വിവരണം
		31	യാദൃശ്ചികം എന്ന അധ്യായം വിവരണം.
		32	രാജകുമാരിയും യാചക ബാലനും എന്ന അധ്യായം വിവരണം.
		31 July	Bakrid
8	03-08-2020 To 07-08-2020	33	ക്ലാസ് പരീക്ഷ
		34	ജീവചരിത്ര സാഹിത്യത്തെ കുറിച്ച് ഒരു ആമുഖം
		35	കുമാരനാശാനെ പരിചയപ്പെടുത്തുന്നു.
		36	എം കെ സാനുവിനെ പരിചയപ്പെടുത്തുന്നു.
		37	മൃത്യുഞ്ജയം കാവ്യജീവിതം എന്ന കൃതിയുടെ സാമാന്യവിവരണം.
9	10-08-2020 To 14-08-2020	38	നിത്യതയിൽ ഒരു നീർപ്പോള എന്ന അധ്യായത്തിന്റെ വിവരണം
		39	പൊതുജീവിതത്തിൽ ആത്മാർപ്പണം എന്ന അധ്യായത്തിന്റെ വിവരണം.
		40	വേദകൾ മണ്ണിനടിയിൽ പൂക്കൾ ചില്ലുകളിൽ എന്ന അധ്യായത്തിന് വിവരണം.
		41	വേദകൾ മണ്ണിനടിയിൽ പൂക്കൾ ചില്ലുകളിൽ എന്ന അധ്യായത്തിന്റെ വിവരണം.
		42	വിവർത്തനം ആത്മാവിഷ്കാരം എന്ന അധ്യായത്തിന്റെ വിവരണം.
10	17-08-2020 To 21-08-2020	43	ജീവചരിത്ര കൃതികളുടെ പ്രത്യേകതകൾ എന്ന വിഷയത്തിൽ ചർച്ച.
		44	ക്ലാസ് പരീക്ഷ
		45	കേട്ടെഴുത്ത് സാഹിത്യത്തിന് ഒരു ആമുഖം
		46	അടയാറ് ടീച്ചർ എന്ന അധ്യായത്തിന്റെ വിവരണം.
		47	ദളിത് ജീവിതങ്ങളെ കുറിച്ചുള്ള സാഹിത്യകൃതികളെ പറ്റി ചർച്ച.
11	24-08-2020	48	ക്ലാസ് പരീക്ഷ
		49	സഞ്ചാര സാഹിത്യം ആമുഖം

	To 28-08-2020	50	എസ് കെ പൊറ്റക്കാട് എന്ന എഴുത്തുകാരനെ പരിചയപ്പെടുത്തൽ.
		51	ക്ലിയോപാടയുടെ നാട്ടിൽ എന്ന കൃതിയുടെ സാമാന്യവിവരണം
		28 August	Ayyankali Jayanthi
12	31-08-2020 To 04-09-2020		Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
13	07-09-2020 To 11-09-2020	52	പെരിയ പിരമിഡിനു മുകളിൽ എന്ന അദ്ധ്യായത്തിന്റെ വിവരണം.
		53	രാജാവിന്റെ അറ, കയ് റോവിനോട് വിട എന്നീ അദ്ധ്യായങ്ങളുടെ വിവരണം.
		54	ക്ലിയോപാടയുടെ നഗരത്തിൽ, കാറ്റാകുമ്പ്സ്, പഴയകാലത്തെ ഗ്രന്ഥശാല എന്നീ അദ്ധ്യായങ്ങളുടെ വിവരണം.
		10 September	Sreekrishna Jayanthi
		55	സി വി ബാലകൃഷ്ണൻ എന്ന എഴുത്തുകാരനെ പരിചയപ്പെടുത്തൽ.
14	14-09-2020 To 18-09-2020	56	ഏതേതോ സരണികളിൽ എന്ന കൃതിയുടെ സാമാന്യവിവരണം.
		57	പാഠഭാഗത്തിന്റെ വിവരണം.
		58	ക്ലാസ് പരീക്ഷ
		59	റിവിഷൻ
		60	പരീക്ഷാ നിർദ്ദേശങ്ങളും പരീക്ഷയ്ക്കായി ഉള്ള ഒരുക്കവും.
		21 September	Sreenarayana Guru Samadhi
15	21-09-2020 To 25-09-2020		3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
16	28-09-2020 To 02-10-2020		3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
		61	ചോദ്യോത്തര വിശകലനം
		62	നിരൂപണ സാഹിത്യത്തെ കുറിച്ച് ആമുഖം
		63	രാജലക്ഷ്മി എന്ന എഴുത്തുകാരിയെ പരിചയപ്പെടുത്തൽ.
17	05-10-2020 To 09-10-2020	64	ആലോഷിക്കപ്പെടാത്ത പോയ സപ്തതിയുടെ ഓർമ്മയ്ക്ക് എന്ന അദ്ധ്യായത്തിന്റെ വിവരണം
		65	രാജലക്ഷ്മിയുടെ കഥകൾ വിശകലനം ചെയ്യൽ.
		66	രാജലക്ഷ്മിയുടെ കഥാപാത്രങ്ങളെ കുറിച്ചുള്ള വിശകലനം.

		67	രാജലക്ഷ്മി എന്ന എഴുത്തുകാരി ആത്മഹത്യ ചെയ്യാൻ ഇടയായ സന്ദർഭങ്ങളെ കുറിച്ചുള്ള ചർച്ച.
		68	സാഹിത്യരചനയും സമൂഹവും എന്ന വിഷയത്തിൽ ചർച്ച.
18	12-10-2020 To 16-10-2020	69	ക്ലാസ് പരീക്ഷ
		70	സിനിമാ ചരിത്രം
		71	മലയാള സിനിമയുടെ നാൾവഴികൾ
		72	സിനിമാ നിരൂപണത്തിന്റെ പ്രസക്തി.
		73	മോലച്ചാദിതമായ നക്ഷത്രം എന്ന നിരൂപണത്തിന്റെ വിശകലനം.
19	19-10-2020 To 23-10-2020	74	മോലച്ചാദിതമായ നക്ഷത്രം എന്ന നിരൂപണത്തിന്റെ വിശകലനം.
		75	മോലച്ചാദിതമായ നക്ഷത്രം എന്ന നിരൂപണത്തിന്റെ വിശകലനം.
		76	യൂണിറ്റ് ടെസ്റ്റ് റിവിഷൻ
		77	യൂണിറ്റ് ടെസ്റ്റ് റിവിഷൻ
		78	യൂണിറ്റ് ടെസ്റ്റ് റിവിഷൻ
20	26-10-2020 To 30-10-2020	26 October	Vijayadasami
		79	യൂണിറ്റ് ടെസ്റ്റ് റിവിഷൻ
		29 October	Miladi-I-Sherif
		80	യൂണിറ്റ് ടെസ്റ്റ് റിവിഷൻ
		81	യൂണിറ്റ് ടെസ്റ്റ് റിവിഷൻ
21	02-11-2020 To 06-11-2020	82	യൂണിറ്റ് ടെസ്റ്റ് റിവിഷൻ
		83	യൂണിറ്റ് ടെസ്റ്റ് റിവിഷൻ
		84	യൂണിറ്റ് ടെസ്റ്റ് റിവിഷൻ
		85	യൂണിറ്റ് ടെസ്റ്റ് റിവിഷൻ
		86	യൂണിറ്റ് ടെസ്റ്റ് റിവിഷൻ
22	09-11-2020 To 13-11-2020	87	യൂണിറ്റ് നാല് റിവിഷൻ
		88	യൂണിറ്റ് നാല് റിവിഷൻ
		89	യൂണിറ്റ് നാല് റിവിഷൻ
		90	സർവ്വകലാശാല പരീക്ഷ യ്ക്കായുള്ള തയ്യാറെടുപ്പ്.
			Study Leave
23	16-11-2020 To 20-11-2020		Study Leave
			Study Leave
			3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
24	23-11-2020 To 27-11-2020		3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
			3 rd Semester 2 nd Internal Exam
			Study Leave

			Study Leave
25	30-11-2020 To 04-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
26	07-12-2020 To 11-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
27	14-12-2020		3rd Semester University Examination Begins

Subject Code:	3A09HIN	
Subject Name:	kadha sahithya	
No. of Credits:	4	
No. of Contact Hours:	90	
Hours per Week:	5	
Name of the Teacher:	JAINY N GEORGE	

ADDITONAL COMMON COURSE :IX

कथा साहित्य (KATHA SAHITHYA)

SEMASTER	COURSE CODE	HOURS PER WEEK	CREDIT	EXAM HRS
III	3A09HIN	5	4	3

COURSE OUTCOME

CO1: Analyze variety of short stories in the cultural and historical context modern context.

CO2: Analyze novel in the

CO3: Understand the story content and structure in depth.

CO4: Collaborate with peers of roll playing story analysis and presentations planning.

Unit I :

1. उपन्यास सपनों की होम डेलिवरी (अविस्तृत अध्ययन) ममता कालिया

(45- Hrs)

Unit II :

1.पूस की रात - प्रेमचन्द

2.बिसाती - जयशंकर प्रसाद

(15Hrs)

Unit III :

3.मक्रील- यशपाल

4. स्विमिंग पूल - असगर वजाहत

(15 Hrs)

Unit IV :

5.नो बार - जयप्रकाश करदम

6.हरी बिंदी- मृदुला गर्ग

(15 Hrs)

Books for Study :

1 . सपनों की होम डेलिवरी - ममता कालिया , राजकमल प्रकाशन , दरियागंज नई दिल्ली - 110002 .

2. कथा तरंग - ed . by board of studies hindi UG Kannur university

राजपाल एण्ड सन्स , काश्मीरी गेट , नई दिल्ली , 110006 .

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	15-06-2020 To 19-06-2020	1	उपन्यास- तत्व
		2	सपनों की होम डेलीवरी उपन्यास
		3	सपनों की होम डेलीवरी उपन्यास
		4	सपनों की होम डेलीवरी उपन्यास
		5	सपनों की होम डेलीवरी उपन्यास
2	22-06-2020 To 26-06-2020	6	सपनों की होम डेलीवरी उपन्यास
		7	सपनों की होम डेलीवरी उपन्यास
		8	सपनों की होम डेलीवरी उपन्यास
		9	सपनों की होम डेलीवरी उपन्यास
		10	सपनों की होम डेलीवरी उपन्यास
3	29-06-2020 To 03-07-2020	11	सपनों की होम डेलीवरी उपन्यास
		12	सपनों की होम डेलीवरी उपन्यास
		13	सपनों की होम डेलीवरी उपन्यास
		14	सपनों की होम डेलीवरी उपन्यास
		03 July	St. Thomas Day
4	06-07-2020 To 10-07-2020	15	कक्षा परीक्षा
		16	सपनों की होम डेलीवरी उपन्यास
		17	सपनों की होम डेलीवरी उपन्यास
		18	सपनों की होम डेलीवरी उपन्यास

		19	सपनों की होम डेलीवरी उपन्यास
5	13-07-2020 To 17-07-2020	20	सपनों की होम डेलीवरी उपन्यास
		21	सपनों की होम डेलीवरी उपन्यास
		22	सपनों की होम डेलीवरी उपन्यास
		23	सपनों की होम डेलीवरी उपन्यास
		24	सपनों की होम डेलीवरी उपन्यास
6	20-07-2020 To 24-07-2020	20 July	Karkkidaka Vavu
		25	कक्षा परीक्षा
		26	सपनों की होम डेलीवरी उपन्यास
		27	सपनों की होम डेलीवरी उपन्यास
		28	सपनों की होम डेलीवरी उपन्यास
7	27-07-2020 To 31-07-2020	29	सपनों की होम डेलीवरी उपन्यास
		30	सपनों की होम डेलीवरी उपन्यास
		31	सपनों की होम डेलीवरी उपन्यास
		32	कक्षा परीक्षा
		31 July	Bakrid
8	03-08-2020 To 07-08-2020	33	सपनों की होम डेलीवरी उपन्यास
		34	सपनों की होम डेलीवरी उपन्यास
		35	सपनों की होम डेलीवरी उपन्यास
		36	पूस की रात कहानी
		37	पूस की रात कहानी
9	10-08-2020 To 14-08-2020	38	पूस की रात कहानी
		39	पूस की रात कहानी
		40	पूस की रात कहानी
		41	पूस की रात कहानी
		42	पूस की रात कहानी
10	17-08-2020 To 21-08-2020	43	पूस की रात कहानी
		44	पूस की रात कहानी
		45	पूस की रात कहानी
		46	पूस की रात कहानी
		47	पूस की रात कहानी
11	24-08-2020 To 28-08-2020	48	बिसाती कहानी
		49	बिसाती कहानी
		50	बिसाती कहानी
		51	बिसाती कहानी
		28 August	Ayyankali Jayanthi
12	31-08-2020 To 04-09-2020		Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
			Onam Holiday
13	07-09-2020 To 11-09-2020	52	मक्रील कहानी
		53	मक्रील कहानी
		54	मक्रील कहानी
		10 September	Sreekrishna Jayanthi
		55	मक्रील कहानी
14	14-09-2020 To 18-09-2020	56	मक्रील कहानी
		57	मक्रील कहानी
		58	मक्रील कहानी
		59	मक्रील कहानी
		60	मक्रील कहानी
15	21-09-2020 To 25-09-2020	21 September	Sreenarayana Guru Samadhi
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
16	28-09-2020 To 02-10-2020		3rd Semester 1st Internal Exam
			3rd Semester 1st Internal Exam
		61	स्विमिंग पूल कहानी
		62	स्विमिंग पूल कहानी
		63	स्विमिंग पूल कहानी
17	05-10-2020 To 09-10-2020	64	स्विमिंग पूल कहानी
		65	स्विमिंग पूल कहानी
		66	नो बार कहानी
		67	नो बार कहानी
		68	नो बार कहानी
18	12-10-2020 To 16-10-2020	69	नो बार कहानी
		70	नो बार कहानी
		71	नो बार कहानी
		72	नो बार कहानी
			नो बार कहानी

		73	नो बार कहानी
19	19-10-2020 To 23-10-2020	74	नो बार कहानी
		75	नो बार कहानी
		76	कक्षा परीक्षा
		77	कहानी तत्व
		78	कहानी तत्व
20	26-10-2020 To 30-10-2020	26 October	Vijayadasami
		79	पात्र और चरित्र चित्रण
		29 October	Miladi-I-Sherif
		80	हरी बिंदी
		81	हरी बिंदी
21	02-11-2020 To 06-11-2020	82	हरी बिंदी
		83	हरी बिंदी
		84	हरी बिंदी
		85	हरी बिंदी
		86	हरी बिंदी
22	09-11-2020 To 13-11-2020	87	हरी बिंदी
		88	हरी बिंदी
		89	रिवीज़न
		90	कक्षा परीक्षा
			Study Leave
23	16-11-2020 To 20-11-2020		Study Leave
			Study Leave
			Study Leave
			3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
24	23-11-2020 To 27-11-2020		3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
			3rd Semester 2nd Internal Exam
			Study Leave
			Study Leave
25	30-11-2020 To 04-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
26	07-12-2020 To 11-12-2020		Study Leave
			Study Leave
			Study Leave
			Study Leave
			Study Leave
27	14-12-2020		3rd Semester University Examination Begins