

DON BOSCO ARTS & SCIENCE COLLEGE
ANGADIKADAVU

(Affiliated to Kannur University Approved by Government of Kerala)

ANGADIKADAVU P.O., IRITTY, KANNUR – 670706



COURSE PLAN

MATHEMATICS

(2021 – 24)

SEMESTER - III

ACADEMIC YEAR - (2022-23)

III Semester BSc Mathematics (2021 - 24)

SL. No.	Name of Subjects with Code	Name of the Teacher	Duty Hours per week
1.	3A05ENG READINGS ON DEMOCRACY AND SECULARISM	Deepa Kuruvila	5
2.	3A09MAL GADYASAHITHYAM	Divya M M	5
3.	3A09HIN KATHA SAHITHYA	Jainy	5
4.	3B03 MAT ANALYTIC GEOMETRY AND APPLICATIONS OF DERIVATIVES	Remya Raj	5
5.	3C03 STA PROBABILITY DISTRIBUTIONS	Varsha Mohandas	5
6.	3C 03 CSC WEB TECHNOLOGY WITH DATABASE MANAGEMENT SYSTEM	Sruthi N	3
7.	3C 03 CSC LAB 1: PROGRAMMING IN C, WEB PROGRAMMING AND PYTHON PROGRAMMING	Sruthi N	2
	Name of Class Incharge	Remya Raj	

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	3C 03 CSC WEB TECHNOLOGY WITH DATABASE MANAGEMENT SYSTEM	3A09 MAL GADYASAHITHYAM /3A09 HIN KATHA SAHITHYA	3B03 MAT ANALYTIC GEOMETRY AND APPLICATIONS OF DERIVATIVES	3C03 STA PROBABILITY DISTRIBUTIONS	3A05 ENG READINGS ON DEMOCRACY AND SECULARISM
2	3A05 ENG READINGS ON DEMOCRACY AND SECULARISM	3C 03 CSC WEB TECHNOLOGY WITH DATABASE MANAGEMENT SYSTEM	3B03 MAT ANALYTIC GEOMETRY AND APPLICATIONS OF DERIVATIVES	3C03 STA PROBABILITY DISTRIBUTIONS	3A09 MAL GADYASAHITHM /3A09 HIN KATHA SAHITHYA
3	3A09 MAL GADYASAHITHYM /3A09 HIN KATHA SAHITHYA	3A05 ENG READINGS ON DEMOCRACY AND SECULARISM	3C03 STA PROBABILITY DISTRIBUTIONS	3C 03 CSC WEB TECHNOLOGY WITH DATABASE MANAGEMENT SYSTEM	3B03 MAT ANALYTIC GEOMETRY AND APPLICATIONS OF DERIVATIVES
4	3B03 MAT ANALYTIC GEOMETRY AND APPLICATIONS OF DERIVATIVES	3A09 MAL GADYASAHITHYAM /3A09 HIN KATHA SAHITHYA	3C 03 CSC LAB 1: PROGRAMMING IN C, WEB PROGRAMMING AND PYTHON PROGRAMMING	3A05 ENG READINGS ON DEMOCRACY AND SECULARISM	3C03 STA PROBABILITY DISTRIBUTIONS
5	3C 03 CSC LAB 1: PROGRAMMING IN C, WEB PROGRAMMING AND PYTHON PROGRAMMING	3C03 STA PROBABILITY DISTRIBUTIONS	3A09 MAL GADYASAHITHYAM /3A09 HIN KATHA SAHITHYA	3A05 ENG READINGS ON DEMOCRACY AND SECULARISM	3B03 MAT ANALYTIC GEOMETRY AND APPLICATIONS OF DERIVATIVES

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:	Deepa Kuruvilla

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

Core Text:

1. Muraleedharan, K C, ed. Discoursing Diversities: Readings on Democracy and Secularism. Trivandrum: Infogate Publishers Pvt. Ltd., 2020.

Content Specifications

Module I (2 hours)

Introduction: Preamble and the Statement of Fundamental Rights in the Constitution of India

1. “Ambedkar’s Concluding Speech in the Constituent Assembly”:- Dr. B R Ambedkar
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 (2 hours)

6. “Indian Constitution Limited but Necessary” -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”:Santosh Paul and Dr. Harsh Hegde
10. “Democracy”:-Langston Hughes

Module III (1 hour)

11. “Blackout” - Roger Mais

12. “Africa”- Maya Angelou

13. “A Hindu Princess and Her

Islamic Dynasty”- Kottarathil Sankunny

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	04-07-2022 To 08-07-2022	1	Introduction
		2	Module I: Ambedkar’s Concluding Speech in the Constituent Assembly
		3	Module I: Ambedkar’s Concluding Speech in the Constituent Assembly
		4	Module I: Ambedkar’s Concluding Speech in the Constituent Assembly
		5	Module I: Ambedkar’s Concluding Speech in the Constituent Assembly
2	11-07-2022 To 15-07-2022	6	Module I: Ambedkar’s Concluding Speech in the Constituent Assembly
		7	The Humiliation of a Brown Child in a European School
		8	The Humiliation of a Brown Child in a European School
		9	The Humiliation of a Brown Child in a European School
		10	The Humiliation of a Brown Child in a European School
3	18-07-2022 To 22-07-2022	11	Postcard from Kashmir
		12	Postcard from Kashmir
		13	Postcard from Kashmir
		14	The story of a Dalit Woman’s Education and job
		15	The story of a Dalit Woman’s Education and job
4	25-07-2022 To 29-07-2022	16	The story of a Dalit Woman’s Education and job
		17	The story of a Dalit Woman’s Education and job
		18	The Election
		28 July	Karkidaka Vav
		19	The Election
5	01-08-2022 To 05-08-2022	20	The Election
		21	Revision
		22	Class Test
		23	Module II Indian Constitution; Limited but Necessary

No of Weeks	Dates	Session	Topic
		24	Module II Indian Constitution: Limited but Necessary
6	08-08-2022 To 12-08-2022	08 August	Muharam
		25	Module II Indian Constitution Limited but Necessary
		26	Module II Indian Constitution; Limited but Necessary
		27	Module II Indian Constitution; Limited but Necessary
		28	The Rich will make Temples for Shiva
7	15-08-2022 To 19-08-2022	15 August	Independence Day
		29	The Rich will make Temples for Shiva
		30	The Rich will make Temples for Shiva
		18 August	Sree Krishna Jayanthi
		31	The Rich will make Temples for Shiva
8	22-08-2022 To 26-08-2022	32	I internal Examination
		33	I internal Examination
		34	I internal Examination
		35	I internal Examination
		36	I internal Examination
9	29-08-2022 To 02-09-2022	37	Centre-State Relations: Union Government not Central
		38	Centre-State Relations: Union Government not Central
		39	Centre-State Relations: Union Government not Central
		40	Centre-State Relations: Union Government not Central
		41	Centre-State Relations: Union Government not Central
10	05-09-2022 To 09-09-2022	05 September	ONAM VACATION
		06 September	ONAM VACATION
		07 September	ONAM VACATION
		08 September	ONAM VACATION
		09 September	ONAM VACATION
11	12-09-2022 To 16-09-2022	42	Seminar
		43	Seminar
		44	Seminar
		45	Seminar
		46	Nehru and science in the age of Corona Virus
12	19-09-2022 To 23-09-2022	47	Nehru and science in the age of Corona Virus
		48	Nehru and science in the age of Corona Virus
		21 September	Sree Narayana Guru Samadhi
		49	Nehru and science in the age of Corona Virus
		50	Nehru and science in the age of Corona Virus
13	26-09-2022	51	Class Test

No of Weeks	Dates	Session	Topic
	To 30-09-2022	52	Democracy
		53	Democracy
		54	Democracy
		55	Revision
14	03-10-2022 To 07-10-2022	56	Must Known Articles of Indian Constitution
		04 October	Mahanavami
		05 October	Vijayadasami
		57	Module III Blackout
15	10-10-2022 To 14-10-2022	58	Module III Blackout
		59	Module III Blackout
		60	Africa
		61	Africa
16	17-10-2022 To 21-10-2022	62	A Hindu princess and Her Islamic Dynasty
		63	A Hindu princess and Her Islamic Dynasty
		64	A Hindu princess and Her Islamic Dynasty
		65	A Hindu princess and Her Islamic Dynasty
17	24-10-2022 To 28-10-2022	66	A Hindu princess and Her Islamic Dynasty
		67	Important amendments in Indian Constitution
		68	Writs in Indian Constitution
		24 October	Deepavali
18	31-0-2022 To 04-11-2022	69	II Internal Examination
		70	II Internal Examination
		71	II Internal Examination
		72	II Internal Examination
19	07-11-2022 To 11-11-2022	73	Roleplay
		74	Seminar
		75	Class Test
		76	Revision
20	14-11-2022 To	77	Class Test
		78	Revision
		79	Class Test
		80	Revision
20	14-11-2022 To	81	Class Test
		82	Revision
		83	III Semester University Examination
20	14-11-2022 To	84	III Semester University Examination
		85	III Semester University Examination

No of Weeks	Dates	Session	Topic
	18-11-2022	86	III Semester University Examination
		87	III Semester University Examination
		88	III Semester University Examination
21	21-11-2022 To 25-12-2022	89	III Semester University Examination
		90	III Semester University Examination

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:	Remya Raj

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	04-07-2022 To 08-07-2022	1	Conic sections: introduction
		2	Parabola
		3	Ellipse
		4	Hyperbola
		5	Examples
2	11-07-2022 To 15-07-2022	6	Conics in polar coordinates
		7	Polar form and examples
		8	Lines and Circles
		9	Examples
		10	Tangents and Normals
3	18-07-2022 To 22-07-2022	11	Examples to find tangents and normal
		12	Angle of intersection of curves
		13	Examples
		14	Examples
		15	Length of tangents and normals
4	25-07-2022 To 29-07-2022	16	Length of Subtangent, subnormal
		17	Examples
		18	Examples
		28 July	Karkidaka Vav
		19	Polar curves
5	01-08-2022 To 05-08-2022	20	Angle between radius vector and tangent
		21	Polar subtangent and subnormal
		22	Examples
		23	Examples
		24	Problems
6	08-08-2022 To 12-08-2022	08 August	Muharam
		25	Asymptotes: introduction
		26	Vertical and horizontal asymptotes
		27	Examples
		28	Method to find asymptotes parallel to axes
7	15-08-2022 To 19-08-2022	15 August	Independence Day
		29	General method to find asymptote of a curve
		30	Examples
		18 August	Sree Krishna Jayanthi
		31	Examples

No of Weeks	Dates	Session	Topic
8	22-08-2022 To 26-08-2022	32	I internal Examination
		33	I internal Examination
		34	I internal Examination
		35	I internal Examination
		36	I internal Examination
9	29-08-2022 To 02-09-2022	37	Asymptote of a polar curve
		38	Curvature:introduction
		39	Curvature and radius of curvature
		40	Formula for radius of curvature
		41	Examples to find radius of curvature
10	05-09-2022 To 09-09-2022	05 September	ONAM VACATION
		06 September	ONAM VACATION
		07 September	ONAM VACATION
		08 September	ONAM VACATION
		09 September	ONAM VACATION
11	12-09-2022 To 16-09-2022	42	Radius of curvature for parametric curves
		43	Examples
		44	Radius of curvature for polar curves
		45	Examples
		46	Radius of curvature of circle
12	19-09-2022 To 23-09-2022	47	Circle of curvature and centre of curvature
		48	Evolutes
		21 September	Sree Narayana Guru Samadhi
		49	Evolute of parabola
		50	Evolute of ellipse
13	26-09-2022 To 30-09-2022	51	Evolute of hyperbola
		52	Examples of finding evolutes of other curves
		53	Finding evolute of cycloid, rectangular hyperbola
		54	Rolle's theorem
		55	Examples of Rolle's theorem
14	03-10-2022 To 07-10-2022	56	Mean Value theorem
		04 October	Mahanavami
		05 October	Vijayadasami
		57	Examples of mean value theorem
		58	Proving results using Mean Value theorem
15	10-10-2022	59	Cauchy's Mean Value theorem
		60	Examples

No of Weeks	Dates	Session	Topic
	To 14-10-2022	61	Taylor's theorem
		62	Maclaurin's theorem
		63	Examples
16	17-10-2022 To 21-10-2022	64	Expansions of functions
		65	Maclaurin's series expansions
		66	Taylor's series expansions
		67	Examples
17	24-10-2022 To 28-10-2022	68	Indeterminate forms
		24 October	Deepavali
		69	II Internal Examination
		70	II Internal Examination
18	31-0-2022 To 04-11-2022	71	II Internal Examination
		72	II Internal Examination
		73	L'Hospital's rule, L'Hospital's rule for $0/0$ form, L'Hospital's rule for ∞/∞ form
		74	Applying L'Hospital's rule for other forms, Indeterminate powers
		75	Examples
19	07-11-2022 To 11-11-2022	76	Extreme values of functions, Local extreme values
		77	First derivative theorem, Examples
		78	Monotonic functions, First derivative test, Examples
		79	Second derivative test for local extreme values, Concavity, Points of inflections, examples
		80	Curve sketching
20	14-11-2022 To 18-11-2022	81	University question paper discussion
		82	Class test
		83	III Semester University Examination
		84	III Semester University Examination
		85	III Semester University Examination
		86	III Semester University Examination
21	21-11-2022 To 25-12-2022	87	III Semester University Examination
		88	III Semester University Examination
		89	III Semester University Examination
		90	III Semester University Examination

Subject Code:	3C 03 STA
Subject Name:	Probability Distributions
No. of Credits:	3
No. of Contact Hours:	90
Hours per Week:	5
Name of the Teacher:	Varsha C

Module I:

Mathematical Expectation :Definition and properties of mathematical expectation, addition and multiplication theorem on expectation and 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, correlation Coefficient between random variables; Generating functions – Moment generating function, definition and properties, cumulant generating function and characteristic function.

Module II:

Discrete Distributions :Definition, moments, mgf, cgf, properties and different characteristics of Discrete Uniform distribution, Bernoulli distribution, Binomial distribution, Poisson distribution and Geometric distribution

Module III:

Continuous Distributions –Definition, moments, mgf, cgf, properties and different characteristics of Uniform distribution, Normal distribution, Standard normal distribution, Exponential distribution, Gamma distribution with one and two parameters and Beta distributions I and II kind

Module IV:

SAMPLING DISTRIBUTIONS: Defenition, standard error, sampling distribution of sample mean and sample variance, chi-square, student's t and F distributions, inter relation between chi-square, t and F distribution.

Book for Study: S.C.Gupta&V.K.Kapoor: Fundamentals of Mathematical Statistics, Sultan Chand & Sons

Book for Reference: Sheldon.M.Ross: Introductory Statistics, Elsevier Academic Press

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	04-07-2022 To 08-07-2022	1	Definition of mathematical expectation, discrete case
		2	Definition of mathematical expectation, continuous case
		3	Properties of expectation
		4	Exercise problem solving
		5	Exercise problem solving
2	11-07-2022 To 15-07-2022	6	Addition theorem
		7	Multiplication theorem
		8	Class test
		9	Expectation of function of random variable discrete case
		10	Expectation of functions of random variable continuous case
3	18-07-2022 To 22-07-2022	11	Exercise problem solving
		12	Exercise problem solving
		13	Moments; definition of raw moments
		14	definition of central moments
		15	seminar
4	25-07-2022 To 29-07-2022	16	Relationship between raw and central mome
		17	Relationship between raw and central mome
		18	Expectation of bivariate random variable
		28 July	Karkidaka Vav
		19	Expectation of bivariate random variable continuous case
5	01-08-2022 To 05-08-2022	20	Exercise problem solving
		21	Exercise problem solving
		22	Class test
		23	Seminar
		24	Conditional mean
6	08-08-2022 To 12-08-2022	08 August	Muharam
		25	Covariance of random variables
		26	Conditional variance
		27	Correlation coefficient between random variables
		28	Moment generating functions definition
7	15-08-2022 To 19-08-2022	15 August	Independence Day
		29	Moment generating functions properties
		30	Moment generating functions properties
		18 August	Sree Krishna Jayanthi
		31	Characteristic function definition

No of Weeks	Dates	Session	Topic
8	22-08-2022 To 26-08-2022	32	I internal Examination
		33	I internal Examination
		34	I internal Examination
		35	I internal Examination
		36	I internal Examination
9	29-08-2022 To 02-09-2022	37	Characteristic function properties
		38	Uniqueness theorem and its proof
		39	Cumulant generating function definition
		40	Previous question paper discussion
		41	Revision
10	05-09-2022 To 09-09-2022	05 September	ONAM VACATION
		06 September	ONAM VACATION
		07 September	ONAM VACATION
		08 September	ONAM VACATION
		09 September	ONAM VACATION
11	12-09-2022 To 16-09-2022	42	Class test
		43	Discrete distribution definition
		44	Derivation of mean and variance of uniform distribution
		45	Bernoulli distribution definition
		46	Moment generating function Binomial distribution
12	19-09-2022 To 23-09-2022	47	Definition of Poisson distribution
		48	Mean ,variance and mgf of Poisson distribution
		21 September	Sree Narayana Guru Samadhi
		49	Geometric distribution definition
		50	Derivation of mean and variance of Geometric distribution
13	26-09-2022 To 30-09-2022	51	MGF and CGF of Geometric distribution
		52	Overview of continuous distribution
		53	Definition of continuous uniform distribution
		54	Properties of continuous uniform distribution
		55	Definition of normal distribution
14	03-10-2022 To 07-10-2022	56	Moment generating function of normal distribution
		04 October	Mahanavami
		05 October	Vijayadasami
		57	Standard normal distribution definition and properties
15	10-10-2022	58	Exponential distribution definition
		59	Moment generating function of Exponential distribution
		60	Cumulant generating function of Exponential

No of Weeks	Dates	Session	Topic
	To 14-10-2022		distribution
		61	Gamma distribution one parameter definition and properties
		62	Beta distribution first kind definition and properties
		63	Previous question paper discussion
16	17-10-2022 To 21-10-2022	64	revision
		65	Class test
		66	Definition of standard error
		67	Introduction to sampling distributions
	24-10-2022 To 28-10-2022	68	Sampling distribution of sample variance and mean
		24 October	Deepavali
		69	II Internal Examination
		70	II Internal Examination
17	28-10-2022	71	II Internal Examination
		72	II Internal Examination
		73	Introduction to student's t distribution
		74	Mean and variance of student's t distribution
18	31-0-2022 To 04-11-2022	75	Exercise problem solving
		76	Mean and variance of F distribution
		77	Inter correlation between chi-square, student's t and F distribution
		78	Inter correlation between chi-square, student's t and F distribution
19	07-11-2022 To 11-11-2022	79	Exercise problem solving
		80	Previous question paper discussion
		81	Previous question paper discussion
		82	Class test
20	14-11-2022 To 18-11-2022	83	III Semester University Examination
		84	III Semester University Examination
		85	III Semester University Examination
		86	III Semester University Examination
21	21-11-2022 To 25-12-2022	87	III Semester University Examination
		88	III Semester University Examination
		89	III Semester University Examination
		90	III Semester University Examination

Subject Code:	3C03CSC
Subject Name:	WEB TECHNOLOGY WITH DATABASE MANAGEMENT
No. of Credits:	2
No. of Contact Hours:	90
Hours per Week:	5
Name of the Teacher:	Sruthi N

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

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), 71 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	04-07-2022 To 08-07-2022	1	Basics Introduction to WWW and HTML
		2	Steps for hosting a website
		3	Structure of HTML
		4	HTML elements and attributes
		5	Headings, Paragraphs
2	11-07-2022 To 15-07-2022	6	Formatting tags, line breaks
		7	Comments, Links, Images
		8	Lists, HTML5 Semantic Elements
		9	HTML Tables
		10	Revision Module 1
3	18-07-2022 To 22-07-2022	11	Class test Module1
		12	HTML Forms and CSS HTML Forms
		13	HTML Forms and CSS HTML Forms
		14	Input types
		15	Input types
4	25-07-2022 To 29-07-2022	16	Input attributes (value, readonly, disabled, maxlength)
		17	Input attributes (value, readonly, disabled, maxlength)
		18	HTML5 form validation
		28 July	Karkidaka Vav
		19	Revision Module 2
5	01-08-2022 To	20	Class test Module 2
		21	Database Management System
		22	Database Management System

No of Weeks	Dates	Session	Topic
	05-08-2022	23	DBMS structure, advantages of DBMS
		24	Database Administrators
6	08-08-2022 To 12-08-2022	08 August	Muharam
		25	Designers, End Users
		26	Designers, End Users
		27	Relational Data Model
		28	Relational Data Model
7	15-08-2022 To 19-08-2022	15 August	Independence Day
		29	Constraints
		30	Constraints
		18 August	Sree Krishna Jayanthi
		31	SQL Data Definition and Basic Data Types
8	22-08-2022 To 26-08-2022	32	I internal Examination
		33	I internal Examination
		34	I internal Examination
		35	I internal Examination
		36	I internal Examination
9	29-08-2022 To 02-09-2022	37	SQL Data Definition and Basic Data Types
		38	Schema, DDL Statements (Create, Alter, Drop)
		39	Schema, DDL Statements (Create, Alter, Drop)
		40	Specifying Key Constraints in SQL
		41	Specifying Key Constraints in SQL
10	05-09-2022 To 09-09-2022	05 September	ONAM VACATION
		06 September	ONAM VACATION
		07 September	ONAM VACATION
		08 September	ONAM VACATION
		09 September	ONAM VACATION
11	12-09-2022 To 16-09-2022	42	DML (Select, Insert, Update, Delete)
		43	DML (Select, Insert, Update, Delete)
		44	Ordering Tuples, Renaming Attribute
		45	Ordering Tuples, Renaming Attribute
		46	Pattern Matching and Arithmetic Operators
12	19-09-2022 To 23-09-2022	47	Pattern Matching and Arithmetic Operators
		48	Lab Session
		21 September	Sree Narayana Guru Samadhi
		49	Lab session
		50	Aggregate Functions in SQL

No of Weeks	Dates	Session	Topic
13	26-09-2022 To 30-09-2022	51	Aggregate Functions in SQL
		52	Group By and Having, Joins
		53	Group By and Having, Joins
		54	Lab session-dbms
		55	Lab session-dbms
14	03-10-2022 To 07-10-2022	56	Lab session-dbms
		04 October	Mahanavami
		05 October	Vijayadasami
		57	Lab session-dbms
15	10-10-2022 To 14-10-2022	58	Introduction to PHP
		59	Introduction to PHP
		60	PHP basics (Variable, data types, Constants, Operators)
		61	PHP basics (Variable, data types, Constants, Operators)
		62	Lab session
16	17-10-2022 To 21-10-2022	63	Lab session
		64	Revision Module 3
		65	Class test Module3
		66	Flow control (if, switch, while, for)
17	24-10-2022 To 28-10-2022	67	Flow control (if, switch, while, for)
		68	Functions, Strings, Arrays
		24 October	Deepavali
		69	II Internal Examination
		70	II Internal Examination
18	31-0-2022 To 04-11-2022	71	II Internal Examination
		72	II Internal Examination
		73	Form Handling (GET and POST methods),
		74	Form Handling (GET and POST methods),
		75	Connecting php to a database
19	07-11-2022 To 11-11-2022	76	Revision Module 4
		77	Class Test Module 4
		78	Revision Module 1
		79	Class Test
		80	Revision Module 2
20	14-11-2022	81	Class Test
		82	Revision Module 3
20	14-11-2022	83	III Semester University Examination
		84	III Semester University Examination

No of Weeks	Dates	Session	Topic
	To 18-11-2022	85	III Semester University Examination
		86	III Semester University Examination
		87	III Semester University Examination
		88	III Semester University Examination
21	21-11-2022 To 25-12-2022	89	III Semester University Examination
		90	III Semester University Examination

Subject Code:	3A09MAL
Subject Name:	Gadhya sahithyam
No. of Credits:	04
No. of Contact Hours:	90
Hours per Week:	06
Name of the Teacher:	Divya M M

(Add your Updated syllabus here)

യൂണിറ്റ് 1 ആത്മകഥ/ സ്മരണ

1. കൊഴിഞ്ഞ ഇലകൾ - ജോസഫ് മുണ്ടശ്ശേരി(ആദ്യത്തെ 5 അദ്ധ്യായങ്ങൾ)
2. ചിദംബരസ്മരണ -ബാലചന്ദ്രൻ ചുള്ളിക്കാട് (5 അദ്ധ്യായങ്ങൾ)

യൂണിറ്റ് 2 ജീവചരിത്രം/ കേട്ടെഴുത്ത്

1. മൃത്യുഞ്ജയം കാവ്യജീവിതം - എം കെ സാനു കുമാരനാശാനെ കുറിച്ച് എഴുതിയ ജീവചരിത്രം (നാല് അദ്ധ്യായങ്ങൾ)
2. അടയാറ് ടീച്ചർ - താഹ മാടായി

യൂണിറ്റ് 3 സഞ്ചാരസാഹിത്യം

1. ക്ലിയോപാട്രയുടെ നാട്ടിൽ- എസ് കെ പൊറ്റക്കാട്(3 അദ്ധ്യായങ്ങൾ)
2. ഏതേതോ സരണികളിൽ- സി വി ബാലകൃഷ്ണൻ (അദ്ധ്യായം 22 മാത്രം)

യൂണിറ്റ് 4 നിരൂപണം (സാഹിത്യം /സിനിമ)

1. ആഘോഷിക്കപ്പെടാതെ പോയൊരു സപ്തതിയുടെ ഓർമ്മയ്ക്ക്- പി ഗീത
2. മേഘചരാതിദമായ നക്ഷത്രം- എൻ ശശിധരൻ

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	04-07-2022 To 08-07-2022	1	സിലബസ് പരിചയപ്പെടുത്തൽ
		2	ആത്മകഥാസാഹിത്യം പരിചയപ്പെടുത്തൽ
		3	ആത്മകഥാ സാഹിത്യത്തിന്റെ പ്രത്യേകതകളും പ്രസക്തിയും

No of Weeks	Dates	Session	Topic
		4	ജോസഫ് മുണ്ടശ്ശേരിയെ പരിചയപ്പെടുത്തൽ
		5	കൊഴിഞ്ഞ ഇലകൾ എന്ന ആത്മകഥയ്ക്ക് ആമുഖ വിവരണം
2	11-07-2022 To 15-07-2022	6	കൊഴിഞ്ഞ ഇലകൾ അദ്ധ്യായം 1 ചർച്ച
		7	കൊഴിഞ്ഞ ഇലകൾ അദ്ധ്യായം 2 ചർച്ച
		8	കൊഴിഞ്ഞ ഇലകൾ അദ്ധ്യായം 3 ചർച്ച
		9	കൊഴിഞ്ഞ ഇലകൾ അദ്ധ്യായം 4 ചർച്ച
		10	കൊഴിഞ്ഞ ഇലകൾ അദ്ധ്യായം 5 ചർച്ച
3	18-07-2022 To 22-07-2022	11	കൊഴിഞ്ഞ ഇലകൾ ഉപസംഹാരം
		12	കൊഴിഞ്ഞ ഇലകൾ എന്ന അദ്ധ്യായത്തിലെ സംശയങ്ങളുടെ നിവാരണം
		13	ക്ലാസ് പരീക്ഷ
		14	മാധവിക്കുട്ടിയെ പരിചയപ്പെടുത്തൽ
		15	സ്ത്രീപക്ഷ സാഹിത്യം പരിചയപ്പെടുത്തൽ
4	25-07-2022 To 29-07-2022	16	നീർമാതളം പൂത്തകാലം അദ്ധ്യായം 1 വിശദീകരണം
		17	നീർമാതളം പൂത്തകാലം അദ്ധ്യായം 2 വിശദീകരണം
		18	നീർമാതളം പൂത്തകാലം അദ്ധ്യായം 3 വിശദീകരണം
		28 July	Karkidaka Vav
		19	നീർമാതളം പൂത്തകാലം അദ്ധ്യായം 3 വിശദീകരണം
5	01-08-2022 To 05-08-2022	20	നീർമാതളം പൂത്തകാലം അദ്ധ്യായം നാല് വിശദീകരണം
		21	നീർമാതളം പൂത്തകാലം അദ്ധ്യായം 4 വിശദീകരണം
		22	നീർമാതളം പൂത്തകാലം അദ്ധ്യായം 5 വിശദീകരണം
		23	നീർമാതളം പൂത്തകാലം അദ്ധ്യായം 5 വിശദീകരണം
		24	നീർമാതളം പൂത്തകാലം അദ്ധ്യായം 6 വിശദീകരണം

No of Weeks	Dates	Session	Topic
6	08-08-2022 To 12-08-2022	08 August	Muharam
		25	നീർമാതളം പൂത്തകാലം അധ്യായം 6 വിശദീകരണം
		26	നീർമാതളം പൂത്തകാലം അധ്യായം 7 വിശദീകരണം
		27	നീർമാതളം പൂത്ത കാലം എന്ന അധ്യായത്തിലെ സംശയനിവാരണം
		28	ക്ലാസ് പരീക്ഷ 2
7	15-08-2022 To 19-08-2022	15 August	Independence Day
		29	ബാലചന്ദ്രൻ ചുള്ളിക്കാടി പരിചയപ്പെടുത്തൽ
		30	ബാലചന്ദ്രൻ ചുള്ളിക്കാടിന്റെ രചനാസവിശേഷതകൾ വിശകലനം ചെയ്യൽ
		18 August	Sree Krishna Jayanthi
		31	ചിദംബരസ്തമന അധ്യായം ഒന്ന് വിശദീകരണം
8	22-08-2022 To 26-08-2022	32	I internal Examination
		33	I internal Examination
		34	I internal Examination
		35	I internal Examination
		36	I internal Examination
9	29-08-2022 To 02-09-2022	37	ചിദംബരസ്തമന അധ്യായം 2 വിശദീകരണം
		38	ചിദംബരസ്തമന അധ്യായം 2 വിശദീകരണം
		39	ചിദംബരസ്തമന അധ്യായം 3 വിശദീകരണം
		40	ചിദംബരസ്തമന അധ്യായ 4 വിശദീകരണം
		41	ക്ലാസ് പരീക്ഷ 3
10	05-09-2022 To 09-09-2022	05 September	ONAM VACATION
		06 September	ONAM VACATION
		07 September	ONAM VACATION
		08 September	ONAM VACATION

No of Weeks	Dates	Session	Topic
		09 September	ONAM VACATION
11	12-09-2022 To 16-09-2022	42	ജീവചരിത്രസാഹിത്യം വിശദീകരണം
		43	കുമാരനാശാനെ പരിചയപ്പെടുത്തൽ
		44	മൃത്യുഞ്ജയം കാവ്യജീവിതം അദ്ധ്യായം 1 വിശദീകരണം
		45	മൃത്യുഞ്ജയം കാവ്യജീവിതം അദ്ധ്യായം 2 വിശദീകരണം
		46	മൃത്യുഞ്ജയം കാവ്യജീവിതം അദ്ധ്യായം മൂന്ന് വിശദീകരണം
12	19-09-2022 To 23-09-2022	47	മൃത്യുഞ്ജയം കാവ്യജീവിതം അദ്ധ്യായം നാല് വിശദീകരണം
		48	മൃത്യുഞ്ജയം കാവ്യജീവിതം അദ്ധ്യായം 5 വിശദീകരണം
		21 September	Sree Narayana Guru Samadhi
		49	ക്ലാസ് പരീക്ഷ 4
		50	ദളിത് സാഹിത്യം വിശകലനം
13	26-09-2022 To 30-09-2022	51	അടയാർ ടീച്ചർ അദ്ധ്യായം 1 വിശദീകരണം
		52	അടയാർ ടീച്ചർ അദ്ധ്യായം 2 വിശദീകരണം
		53	അടയാർ ടീച്ചർ പ്രധാന ചോദ്യങ്ങളും സംശയ നിവാരണവും
		54	ക്ലാസ് പരീക്ഷ 5
		55	സഞ്ചാര സാഹിത്യം വിശദീകരണം
14	03-10-2022 To 07-10-2022	56	എസ് കെ പൊറ്റക്കാടിനെ പരിചയപ്പെടുത്തൽ
		04 October	Mahanavami
		05 October	Vijayadasami
		57	ക്ലിയോപാട്രയുടെ നാട്ടിൽ വായന വിശദീകരണം
		58	ക്ലിയോപാട്രയുടെ നാട്ടിൽ വായന വിശദീകരണം
15	10-10-2022 To	59	ക്ലിയോപാട്രയുടെ നാട്ടിൽ വായന വിശദീകരണം

No of Weeks	Dates	Session	Topic
	14-10-2022	60	ക്ലിയോപാട്രയുടെ നാട്ടിൽ വായന വിശദീകരണം
		61	ക്ലിയോപാട്രയുടെ നാട്ടിൽ വായന വിശദീകരണം
		62	ക്ലാസ് പരീക്ഷ 6
		63	സി വി ബാലകൃഷ്ണനെ പരിചയപ്പെടുത്തൽ
16	17-10-2022 To 21-10-2022	64	ഏതേതോ സരണികളിൽ വിശദീകരണം
		65	ഏതേതോ സരണികളിൽ വിശദീകരണം
		66	ഏതേതോ സരണികളിൽ വിശദീകരണം
		67	ക്ലാസ് പരീക്ഷ 7
		68	റിവിഷൻ
17	24-10-2022 To 28-10-2022	24 October	Deepavali
		69	II Internal Examination
		70	II Internal Examination
		71	II Internal Examination
		72	II Internal Examination
18	31-0-2022 To 04-11-2022	73	ആഘോഷിക്കപ്പെടാതെ പോയ സപ്തതിയുടെ ഓർമ്മയ്ക്ക് നിരൂപണം വിശദീകരണം
		74	ആഘോഷിക്കപ്പെടാതെ പോയ സപ്തതിയുടെ ഓർമ്മയ്ക്ക് നിരൂപണം വിശദീകരണം
		75	ആഘോഷിക്കപ്പെടാതെ പോയ സപ്തതിയുടെ ഓർമ്മയ്ക്ക് വിശദീകരണം
		76	മേഘാ ധാക്കാ താര സിനിമാപ്രദർശനം
		77	മേഘചരാദിയായ നക്ഷത്രം വിശദീകരണം
		78	മേഘചരാദിയായ നക്ഷത്രം വിശദീകരണം
19	07-11-2022 To 11-11-2022	79	മേഘ ചരാദിയായ നക്ഷത്രം വിശദീകരണം
		80	ക്ലാസ് പരീക്ഷ 8
		81	റിവിഷൻ മൊഡ്യൂൾ 1,2

No of Weeks	Dates	Session	Topic
		82	റിവിഷൻ മൊഡ്യൂൾ 3,4
20	14-11-2022 To 18-11-2022	83	III Semester University Examination
		84	III Semester University Examination
		85	III Semester University Examination
		86	III Semester University Examination
		87	III Semester University Examination
		88	III Semester University Examination
21	21-11-2022 To 25-12-2022	89	III Semester University Examination
		90	III Semester University Examination

Subject Code:	3A09 HIN
Subject Name:	KATHA SAHITYA
No. of Credits:	4
No. of Contact Hours:	90
Hours per Week:	5
Name of the Teacher:	JAINY N GEORGE

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 , दररयागंज नई दिल्ली - 110002

2. कथा तरंग - ed . by board of studies hindi UG Kannur university राजपिा एण्ड सन्स ,

काश्मीरी गेट , नई दिल्ली , 110006 .

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	04-07-2022 To 08-07-2022	1	
		2	सपनों की होम डिलीवरी
		3	सपनों की होम डिलीवरी
		4	सपनों की होम डिलीवरी
		5	सपनों की होम डिलीवरी
2	11-07-2022 To 15-07-2022	6	सपनों की होम डिलीवरी
		7	सपनों की होम डिलीवरी
		8	सपनों की होम डिलीवरी
		9	सपनों की होम डिलीवरी
		10	सपनों की होम डिलीवरी
3	18-07-2022 To 22-07-2022	11	सपनों की होम डिलीवरी
		12	सपनों की होम डिलीवरी
		13	सपनों की होम डिलीवरी
		14	सपनों की होम डिलीवरी
		15	सपनों की होम डिलीवरी
4	25-07-2022 To 29-07-2022	16	सपनों की होम डिलीवरी
		17	सपनों की होम डिलीवरी
		18	सपनों की होम डिलीवरी
		28 July	
		19	कक्षा परीक्षा
5	01-08-2022 To 05-08-2022	20	सपनों की होम डिलीवरी
		21	सपनों की होम डिलीवरी
		22	सपनों की होम डिलीवरी
		23	सपनों की होम डिलीवरी
		24	सपनों की होम डिलीवरी

No of Weeks	Dates	Session	Topic
6	08-08-2022 To 12-08-2022	08 August	
		25	सपनों की होम डिलीवरी
		26	सपनों की होम डिलीवरी
		27	सपनों की होम डिलीवरी
		28	सपनों की होम डिलीवरी
7	15-08-2022 To 19-08-2022	15 August	इंडिपेंडेंस डे
		29	सपनों की होम डिलीवरी
		30	सपनों की होम डिलीवरी
		18 August	Sree Krishna Jayanthi
		31	सपनोमा होम डिलीवरी
8	22-08-2022 To 26-08-2022	32	I internal Examination
		33	I internal Examination
		34	I internal Examination
		35	I internal Examination
		36	I internal Examination
9	29-08-2022 To 02-09-2022	37	पूस को रात
		38	पूस को रात
		39	पूस को रात
		40	पूस को रात
		41	पूस को रात
10	05-09-2022 To 09-09-2022	05 September	ONAM VACATION
		06 September	ONAM VACATION
		07 September	ONAM VACATION
		08 September	ONAM VACATION
		09 September	ONAM VACATION
11	12-09-2022 To 16-09-2022	42	बिसाती
		43	बिसाती
		44	बिसाती
		45	बिसाती
		46	बिसाती
12	19-09-2022 To 23-09-2022	47	बिसाती
		48	बिसाती
		21 September	Sree Narayana Guru Samadhi
		49	बिसाती
		50	बिसाती
13	26-09-2022 To	51	बिसाती
		52	बिसाती

No of Weeks	Dates	Session	Topic
	30-09-2022	53	मक्रील
		54	मक्रील
		55	मक्रील
14	03-10-2022 To 07-10-2022	56	मक्रील
		04 October	Mahanavami
		05 October	Vijayadasami
		57	मक्रील
15	10-10-2022 To 14-10-2022	58	मक्रील
		59	मक्रील
		60	कक्षा परीक्षा
		61	नो बार
16	17-10-2022 To 21-10-2022	62	नो बार
		63	नो बार
		64	नो बार
		65	नो बार
17	24-10-2022 To 28-10-2022	66	नो बार
		67	नो बार
		68	नो बार
		24 October	Deepavali
18	31-0-2022 To 04-11-2022	69	II Internal Examination
		70	II Internal Examination
		71	II Internal Examination
		72	II Internal Examination
19	07-11-2022 To 11-11-2022	73	हरी बिंदी
		74	हरी बिंदी
		75	हरी बिंदी
		76	हरी बिंदी
20	14-11-2022 To 18-11-2022	77	हरी बिंदी
		78	स्विमिंग पूल
		79	स्विमिंग पूल
		80	स्विमिंग पूल
		81	स्विमिंग पूल
		82	रिविजन
		83	III Semester University Examination
		84	III Semester University Examination
		85	III Semester University Examination
		86	III Semester University Examination

No of Weeks	Dates	Session	Topic
		87	III Semester University Examination
		88	III Semester University Examination
21	21-11-2022 To 25-12-2022	89	III Semester University Examination
		90	III Semester University Examination