

# **DON BOSCO ARTS & SCIENCE COLLEGE** **ANGADIKADAVU**

*(Affiliated to Kannur University Approved by Government of Kerala)*

**ANGADIKADAVU P.O., IRITTY, KANNUR – 670706**



## **COURSE PLAN**

### **B Sc Mathematics**

**(2020 – 23)**

### **SEMESTER - I**

**ACADEMIC YEAR - (2020-21)**

## I Semester B Sc Mathematics (2020 - 23)

SL. No.	Name of Subjects with Code	Name of the Teacher	Duty Hours per week
1.	1A01 ENG Common course – Communicative English	Amrutha Ashokan	5
2.	1A02 ENG Common Course – Readings on Kerala	Twinkle Thomas	4
3.	1A01 MAL Katha maathrukakal	Divya M M	4
4.	1A07 HIN Hindi Kavitha	Jainy N George	
5.	1B01 MAT Set theory, Differential calculus, and Numerical method	Sneha P Sebastian	4
6.	11C01 STA Basic Statistics	Priyada Jose	4
7.	1C01 CSC Introduction to computers and programming	Hebin Layola	4
	<b>Name of Class Incharge</b>	<b>Sneha P Sebastian</b>	

## 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	1A01 ENG Communicative English	1C01 CSC Introduction to computers and programming	1A02 ENG Readings on kerala	1A07 HIN Hindi kavitha / 1A07 MAL Katha maathrukakal	1B01 MAT Set theory, Differential calculus, and numerical methods
2	1C01 CSC Introduction to computers and programming	11C01 STA Basic Statistics	1A01 ENG Communicative English	1A02 ENG Readings on kerala	1A07 HIN Hindi kavitha / 1A07 MAL Katha maathrukakal
3	1B01 MAT Set theory, Differential calculus, and numerical methods	1C01 CSC Introduction to computers and programming	1A01 ENG Communicative English	1A07 HIN Hindi kavitha / 1A07 MAL Katha maathrukakal	1A02 ENG Readings on kerala

4	1A02 ENG Readings on kerala	1A01 ENG Communicative English	1C01 CSC Introduction to computers and programming	1A07 HIN Hindi kavitha / 1A07 MAL Katha maathrukakal	11C01 STA Basic Statistics
5	1B01 MAT Set theory, Differential calculus, and numerical methods	1A01 ENG Communicative English	11C01 STA Basic Statistics	11C01 STA Basic Statistics	1B01 MAT Set theory, Differential calculus, and numerical methods

<b>Subject Code:</b>	<b>1A01ENG</b>
<b>Subject Name:</b>	<b>COMMON COURSE Communicative English</b>
<b>No. of Credits:</b>	<b>4</b>
<b>No. of Contact Hours:</b>	<b>90</b>
<b>Hours per Week:</b>	<b>5</b>
<b>Name of the Teacher:</b>	<b>Amrutha Ashokan</b>

#### COMMON COURSE I Communicative English

Semester	Course Code	Hours per week	Credit	Exam Hrs
1A01ENG	Communicative English	5	4	3

#### Course Outcomes

1. Understand and apply the rubrics of English grammar
2. Recognize and apply the basic patterns in English vocabulary
3. Read and elicit data, information, inferences and interpretations based on a given material in English
4. Develop the ability to speak in English in real life situations
5. Elicit necessary information after listening to an audio material in English
6. Compose academic and non-academic writings including letters, paragraphs and essays on a given topic and CV's for specific purposes

#### Content Specifications

#### Module 1 (Grammar and Usage)- 2 Hours/Week

##### Grammar

Articles, Modals, Tenses, Voices, Subject- Verb Agreement, Direct & Reported Speech.

##### Usage

Question Tags, Types of Words, Phrasal Verbs and Idiomatic Expressions.

### **Module 2 (Listening and Speaking) -2 Hours/Week**

#### **Listening**

What is Communication?, Phonemes in English, Syllables and Word Stress, Listening to News Bulletins, Listening to Instructions and Directions, Listening to Lectures, Listening to Speeches

#### **Speaking**

Greetings and Introductions, Small Conversations, Talking on Telephone, Making Requests, Making Enquiries, Making Suggestions, Expressing Gratitude, Complaining.

### **Module 3 (Reading and Writing)- 1 Hour/Week**

#### **Reading**

Reading Official Letters and Profiles, Reading Advertisements, Reading News Reports, Reading Charts, Reading Online Content.

#### **Writing**

Writing Paragraphs, Taking and Making Notes, Essay and Academic Writing, Writing Letters,

Writing Resumes.

Prescribed Textbook: Equip: English for Undergraduates by Cambridge University Press

## **TEACHING SCHEDULE**

No of Weeks	Dates	Session	Topic
<b>1</b>	02-11-2020 To 06-11-2020	1	Articles – 'The', 'a' and 'an' –introduction
		2	The definite article 'the'
		3	The indefinite articles 'a' and 'an'
		4	Textbook exercises
		5	Additional exercises
<b>2</b>	09-11-2020 To 13-11-2020	6	Modals- <i>can, could, will, would, shall</i>
		7	Modals- <i>may, might, must, should</i>
		8	Modals- <i>need to, ought to</i> , negatives of modals
		9	Textbook exercises
		10	<b>Class test</b>
<b>3</b>	16-11-2020 To	11	Tenses –introduction
		12	The Present Tense (Four types- simple, continuous, perfect and perfect continuous with examples)

No of Weeks	Dates	Session	Topic
	20-11-2020	13	The Past Tense (Four types with examples)
		14	The Future Tense (Four types with examples)
		15	Negatives of tenses
4	23-11-2020 To 27-11-2020	16	Textbook exercises
		17	Voices – introduction
		18	Active voice
		19	Passive voice
		20	Textbook exercises
5	30-11-2020 To 04-12-2020	21	Subject –verb Agreement – introduction
		22	Subject-verb agreement (Singular subject – Singular plural)
		23	Subject- Verb agreement (Plural Subject – plural verb)
		24	Textbook Q & A exercises
		25	<b>Class test</b>
6	07-12-2020 To 11-12-2020	26	Question Tags – introduction
		27	Rules of Question Tags
		28	Subject and auxiliary verb agreement, negatives
		29	Textbook Q & A exercises
		30	Types of words – introduction
7	14-12-2020 To 18-12-2020	31	Synonyms, Antonyms
		32	Homonyms, homophones
		33	Acronyms, eponyms
		34	Textbook exercises
		35	Additional exercises
8	21-12-2020 To 25-12-2020	19 December	Christmas Vacation
			Christmas Vacation
			Christmas Vacation
		25 December	Christmas
			Christmas Vacation
9	28-12-2020 To 01-01-2021	36	Phrasal verbs and Idiomatic Expressions- introduction
		37	Phrasal Verbs
		38	Textbook exercises
		39	Idiomatic expressions
		40	Textbook exercises, Additional exercises
10	04-01-2021 To 08-01-2021	41	<b>Class test</b>
		42	Direct and Reported Speech- introduction
		43	Reporting verb – definition and examples
		44	Rules of Reported speech

No of Weeks	Dates	Session	Topic
		45	Textbook exercises, Additional exercises
11	11-01-2021 To 15-01-2021	46	Listening module- introduction
		47	Communication and its types
		48	Phonemes
		49	Vowel sounds
		50	Consonant sounds
12	18-01-2021 To 22-01-2021	51	Listening to instructions and directions
		52	Listening to lectures
		53	Listening to speeches
		54	Textbook exercises
		55	Group activity (identifying vowels and consonant sounds)
13	25-01-2021 To 29-01-2021	56	Group activity and individual task (listening audios and solving textbook exercises)
		26January	Republic day
		57	Speaking module – introduction
		58	Greetings and introduction
		59	Talking on phone
14	01-02-2021 To 05-02-2021	60	Making enquiries
		61	Making suggestions
		62	Expressing gratitude (saying thank you)
		63	Apologising (saying sorry)
		64	Classroom activity – speaking exercises
15	08-02-2021 To 12-02-2021	65	Additional group activities
		66	Reading module – introduction
		67	Reading passages
		68	Solving questions for comprehension passages
		69	Solving questions for comprehension passages
16	15-02-2021 To 19-02-2021	70	Reading advertisement (textbook exercises)
		71	Additional practice questions for comprehension passages
		72	Writing – note making and note taking
		73	Textbook exercises for note making
		74	Writing paragraphs –textbook exercises
17	22-02-2021 To 26-02-2021	75	Letter format
		76	Textbook exercises
		77	Additional exercises
		78	Writing resume- introduction

No of Weeks	Dates	Session	Topic
		79	Resume and cover letter format, Textbook exercises
<b>18</b>	01-03-2021 To 05-03-2021	01 March	I Semester UG Internal Exam
		02 March	I Semester UG Internal Exam
		03 March	I Semester UG Internal Exam
		80	Additional exercises (resume)
		81	<b>Class test</b>
<b>19</b>	08-03-2021 To 12-03-2021		English Proficiency
			English Proficiency
			English Proficiency
		11 March	<b>Maha Shivarathri</b>
			English Proficiency
<b>20</b>	15-03-2021 To 19-03-2021		English Proficiency
			English Proficiency( Exam)
		82	Essay and Academic Writing- introduction
		83	Vocabulary used in academic writing
		84	Essay writing – class activity
<b>21</b>	22-03-2021 To 26-03-2021	85	Additional exercises
		86	<b>Class test</b>
		87	Revision Module 1
		88	Revision Module 2
		89	Revision Module 3
		90	Revision Module 3
<b>22</b>	29-03-2021 To 02-04-2021	29 March	<b>Talent Hunt</b>
		30 March	<b>Easter Vacation</b>
		31 March	<b>Easter Vacation</b>
		1 April	<b>Easter Vacation</b>
		2 April	<b>Easter Vacation</b>

<b>Subject Code:</b>	<b>1A02ENG</b>
<b>Subject Name:</b>	<b>COMMON COURSE –Readings on Kerala</b>
<b>No. of Credits:</b>	<b>3</b>
<b>No. of Contact Hours:</b>	<b>72</b>
<b>Hours per Week:</b>	<b>4</b>
<b>Name of the Teacher:</b>	<b>Twinkle Thomas</b>

### **COMMON COURSE 2. Readings on Kerala**

<b>Semester</b>	<b>Course Code</b>	<b>Hours per week</b>	<b>Credit</b>	<b>Exam Hrs</b>
<b>1A02ENG</b>	<b>Readings on Kerala</b>	<b>4</b>	<b>3</b>	<b>3</b>

#### **Course Outcomes**

1. Understand the basic facts and patterns regarding the cultural evolution of Kerala through articles, poems, stories, life writings and historical narratives.
  2. Acquaint with the life and works of the illustrious leaders of Kerala Renaissance and the major events.
  3. Assimilate the notion of Kerala as an emerging society and critically examine the salient features of its evolution.
  4. Understand the evolution and contemporary state of the concept of “gender” with reference to Kerala
  5. Understand the form and content of Kerala’s struggle against “casteism” and for “secularism”
  6. Develop an awareness about the ecological problems and issues in Kerala
- Content Specifications

#### **MODULE 1- (2 Hrs/Week)**

1. “Conversation” :SreeNarayana Guru
2. “Curing Caste” :SahodaranAyyappan
3. Excerpts from “Eri” : PradeepanPambirikkunnu
4. Excerpts from Kelu : N. Sasidharan, E.P.Rajagopalan
5. Excerpts from “Parting from the Path of Life” : Cherukad GovindaPisharodi

#### **MODULE 2- (2 Hrs/Week)**

1. “About My Race: A Song”: PoykayilAppachan
2. “The KuttippuramBridge” : Idasserri
3. “Courageous Act” : AnasuyaMenon
4. “Vaikom Satyagraha” : K. N.Panikkar
5. “The Voice” : Suresh Menon

Prescribed Textbook: Multiple Modernities: Readings on Kerala published by Hornbill Publications



## TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
<b>1</b>	02-11-2020 To 06-11-2020	1	MODLUE1 Chapter 1- “Conversation” :Sree Narayana Guru – introduction
		2	Sree Narayana Guru's major contributions to Kerala Renaissance
		3	Sree Narayana Guru’s message through Buddha’s teachings
		4	Ezhava Community’s approach towards Guru for the eradication of varna system
<b>2</b>	09-11-2020 To 13-11-2020	5	Importance of Code of conduct
		6	Guru's eight objectives of Sivagiri Pilgrimage
		7	Chapter 1 - Overall discussion
		8	Textbook Q & A Discussion
<b>3</b>	16-11-2020 To 20-11-2020	9	Chapter 2 – “Curing Caste” (Sahodaran Ayyappan) – Introduction
		10	Analysis of the poem
		11	Major arguments in the poem
		12	<b>Class test</b>
<b>4</b>	23-11-2020 To 27-11-2020	13	Chapter 3- Eri (Pradeepan Pambarikunu)- Introduction
		14	The author’s own experience in literary research and major findings on Eri (an educated and wise man from Paraya Caste)
		15	The type of education given to Paraya and other downtrodden communities
		16	Eri – The educated and wise man from the downtrodden Paraya community
<b>5</b>	30-11-2020 To 04-12-2020	17	Textbook Q & A discussion
		18	Chapter 4 –Kelu (NSasidharan, E. P.Rajagopalan) – Introduction
		19	Introduction to the Chapter - Kelu (social reformer)
		20	The Playwright's dilemma in writing
<b>6</b>	07-12-2020 To 11-12-2020	21	Kelu's life – A life of unfulfilled dreams
		22	Chapter -Overall discussion
		23	Textbook Q & A (Discussion)
		24	Chapter 5 –“Parting from the Path of Life” – Introduction

No of Weeks	Dates	Session	Topic
<b>7</b>	14-12-2020 To 18-12-2020	25	The character Kunjammaman and his notions of nephews (not to educate nephews)
		26	Earlier matrilineal family – organization
		27	The story of Kunjammaman and his nephew
		28	Chapter -Overall discussion
<b>8</b>	21-12-2020 To 25-12-2020	19 December	Christmas Vacation
			Christmas Vacation
			Christmas Vacation
		25 December	Christmas
			Christmas Vacation
<b>9</b>	28-12-2020 To 01-01-2021	29	<b>CLASS TEST</b>
		30	MODULE 2 Chapter 1 –“About My Race: A Song”- Introduction
		31	Introduction to the Poem, the poet and his major works
		32	Poet’s notions of race
<b>10</b>	04-01-2021 To 08-01-2021	33	Poet’s views on how the history ignored people based on ‘race’
		34	<b>Class test</b>
		35	Textbook Q & A discussion
		36	Chapter 2 –“The Kuttipuram Bridge”(Edasseri)- Introduction
<b>11</b>	11-01-2021 To 15-01-2021	37	Introduction to the poem
		38	Analysis of the poem
		39	Poet’s childhood memories of the bridge and river in the poem
		40	Poet’s critique – Urbanization and Modernization
<b>12</b>	18-01-2021 To 22-01-2021	41	Textbook Q & A discussion
		42	Revision – Module 1
		43	Revision – Module 1
		44	Chapter 3 – Courageous Act (Anasuya Menon)- Introduction
<b>13</b>	25-01-2021 To 29-01-2021	45	Introduction to the chapter’s major personality- Nilambur Ayisha
		26January	Republic day
		46	Nilambur Ayisha's childhood - challenges
		47	Challenges in the initial days as a stage actor
<b>14</b>	01-02-2021 To	48	Ayisha's debut play with E. K. Ayamu
		49	Various impediments faced by Ayisha as an actress

No of Weeks	Dates	Session	Topic
	05-02-2021	50	Chapter -Overall discussion
		51	Chapter 4 – Vaikom Satyagraha ( K. N. Panikar)- Introduction
15	08-02-2021 To 12-02-2021	52	Introduction to Vaikom Satyagraha – a movement against caste discrimination
		53	Major aspects of the Satyagraha- Struggle against untouchability and unapproachability
		54	Major figures of the satyagraha
		55	Major associations and committees formed for the movement
16	15-02-2021 To 19-02-2021	56	Vaikom Satyagraha – The victory
		57	Chapter – Overall discussion
		58	<b>Class Test</b>
		59	REVISION (MODULE 1)/ Chapter 5 – “The Voice” (Suresh Menon)- Introduction
17	22-02-2021 To 26-02-2021	60	The Voice – Introducing K. J. Yesudas, The Singer
		61	The writer’s opinion and views about Yesudas' voice
		62	Yesudas' childhood life
		63	Yesudas as a recipient of various awards
18	01-03-2021 To 05-03-2021	01 March	<b>I Semester UG Internal Exam</b>
		02 March	<b>I Semester UG Internal Exam</b>
		03 March	<b>I Semester UG Internal Exam</b>
		64	<b>Class Test</b>
19	08-03-2021 To 12-03-2021		<b>English Proficiency</b>
			<b>English Proficiency</b>
			<b>English Proficiency</b>
		11 March	<b>Maha Shivarathri</b>
			<b>English Proficiency</b>
20	15-03-2021 To 19-03-2021		<b>English Proficiency</b>
			<b>English Proficiency( Exam)</b>
		65	Revision – Module 2
		66	Revision – Module 2
21	22-03-2021 To 26-03-2021	67	Revision – Module 2
		68	<b>Class Test</b>
		69	Revision – Module 2
		70	Revision
		71	<b>Class Test</b>
22	29-03-2021	29 March	<b>Talent Hunt</b>
		72	Revision

No of Weeks	Dates	Session	Topic
	To 02-04-2021	30 March	Easter Vacation
		31 March	Easter Vacation
		1 April	Easter Vacation
		2 April	Easter Vacation

<b>Subject Code:</b>	<b>1B01 MAT</b>
<b>Subject Name:</b>	<b>SET THEORY, DIFFERENTIAL CALCULUS, AND NUMERICAL METHODS</b>
<b>No. of Credits:</b>	<b>4</b>
<b>No. of Contact Hours:</b>	<b>72</b>
<b>Hours per Week:</b>	<b>4</b>
<b>Name of the Teacher:</b>	<b>Sneha P Sebastian</b>

### **1B01 MAT: Set Theory, Differential Calculus and Numerical Methods**

#### **Unit I - Relations and Functions (22 hours)**

Relations, Types of relations, Partitions, Equivalence relation, Partial ordering relation, Functions, Composition of functions, One-to-one, onto and invertible functions, Mathematical functions, exponential function, logarithmic function

(Sections 3.3, 3.6, 3.8, 3.9, 3.10 and sections 4.1 to 4.5 of Text 1).

#### **Unit II – Limit, Continuity and Successive differentiation (18 hours)**

Limit of a function and limit laws, continuity, Inverse functions and their derivatives

(Sections 2.2, 2.5, 7.1 of Text 2. Proof of Theorem 10 in section 2.5 is omitted)

Successive differentiation, standard results, nth derivatives, Leibnitz theorem

(Sections 4.1, 4.2 of Text 3).

#### **Unit III – Functions of several variables (22 hours)**

Functions of several variables, limit and continuity, partial derivatives, chain rule (theorems without proof)

(Sections 14.1, 14.2, 14.3, 14.4 of Text 2).

Homogenous functions, Euler's theorem on homogenous functions

(Sections 11.8, 11.8.1 of Text 4).

#### **Unit IV - Solution of Algebraic and Transcendental Equations (10 Hours)**

Introduction to solution of algebraic and transcendental equation, Initial approximations, Bisection method, Regula-falsi method, Newton-Raphson method

(Sections 3.2, 3.2.1, 3.3, 3.4, 3.5 of Text 5).

## Texts

1. S. Lipschutz, Set Theory and Related Topics (2nd edition), Schaum's Series
2. G.B. Thomas Jr., M.D. Weir and J.R. Hass, Thomas' Calculus (12<sup>th</sup> edition), Pearson Education
3. Higher Engineering Mathematics, B.S. Grewal (43rd edition), Khanna Publishers
4. S Narayan and P.K Mittal , Differential calculus, Revised Edition, S. Chand & Company Ltd
5. S. R. K. Iyengar and R. K. Jain, Mathematical methods (2nd edition), Narosa Publishing House.

## References

1. H Anton, Bivens and Davis, Calculus, 10th edition , Willey
2. E. Kreyszig, Advanced Engineering Mathematics (10th edition), Willey 14
3. S. S. Sastry, Introduction to Numerical Methods (5th edition), Prentice Hall of India.
4. V.N. Vedamurthy and N.Ch.S.N. Iyengar, Numerical Methods, Vikas Publishing House.

## TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	02-11-2020 To 06-11-2020	1	<b>Unit 1 : Relations and functions</b>
		2	Relations
		3	Types of relations
		4	Partitions
2	09-11-2020 To 13-11-2020	5	Equivalence relations
		6	Problem Solving
		7	Partial ordering relation
		8	Functions
3	16-11-2020 To 20-11-2020	9	Composition of functions
		10	One to one functions
		11	Onto functions
		12	Invertible functions
4	23-11-2020 To 27-11-2020	13	Mathematical functions
		14	Exponential functions
		15	Logarithmic functions
		16	Problem solving
5	30-11-2020 To	17	Revision-Module 1
		18	<b>Class test – Module 1</b>

No of Weeks	Dates	Session	Topic
	04-12-2020	19	<b>Unit 2 : Limit, Continuity, and successive differentiation</b>
		20	Limit of a function
<b>6</b>	07-12-2020 To 11-12-2020	21	Limit Laws
		22	Continuity
		23	Inverse functions and their derivatives
		24	Problem solving
<b>7</b>	14-12-2020 To 18-12-2020	25	Successive differentiation
		26	Problem solving
		27	Standard results
		28	Problem solving
<b>8</b>	21-12-2020 To 25-12-2020	19 December	Christmas Vacation
			Christmas Vacation
			Christmas Vacation
		25 December	Christmas
			Christmas Vacation
<b>9</b>	28-12-2020 To 01-01-2021	29	n th derivatives
		30	Problem solving
		31	Leibnitz theorem
		32	Problem solving
<b>10</b>	04-01-2021 To 08-01-2021	33	Revision-Module 2
		34	<b>Class Test-Module 2</b>
		35	<b>Unit 3 : Functions of several variables</b>
		36	Introduction
<b>11</b>	11-01-2021 To 15-01-2021	37	Limit and continuity
		38	Problem solving
		39	Partial derivatives
		40	Problem solving
<b>12</b>	18-01-2021 To 22-01-2021	41	Chain rule
		42	Problem solving
		43	Homogeneous functions
		44	Problem solving
<b>13</b>	25-01-2021 To 29-01-2021	45	Euler's theorem on homogeneous functions
		26January	Republic day
		46	Problem solving
		47	Revision – Module 3
<b>14</b>	01-02-2021 To	48	<b>Class test – Module 3</b>
		49	<b>Unit 4 : Solution of Algebraic and transcendental</b>

No of Weeks	Dates	Session	Topic
	05-02-2021		<b>equations</b>
		50	Definition
		51	Introduction to algebraic equation
<b>15</b>	08-02-2021 To 12-02-2021	52	Problem solving
		53	Introduction to transcendental equations
		54	Problem solving
		55	Initial approximations
<b>16</b>	15-02-2021 To 19-02-2021	56	Problem solving
		57	Bisection method
		58	Problem solving
		59	Regula falsi method
<b>17</b>	22-02-2021 To 26-02-2021	60	Newton Raphson method
		61	Problem solving
		62	Revision-Module 4
		63	<b>Class Test-Unit 4</b>
<b>18</b>	01-03-2021 To 05-03-2021	01 March	<b>I Semester UG Internal Exam</b>
		02 March	<b>I Semester UG Internal Exam</b>
		03 March	<b>I Semester UG Internal Exam</b>
		64	Revision-Module 1
<b>19</b>	08-03-2021 To 12-03-2021		<b>English Proficiency</b>
			<b>English Proficiency</b>
			<b>English Proficiency</b>
		<b>11 March</b>	<b>Maha Shivarathri</b>
			<b>English Proficiency</b>
<b>20</b>	15-03-2021 To 19-03-2021		<b>English Proficiency</b>
			<b>English Proficiency( Exam)</b>
		65	Revision Module 2
		66	Revision Module 3
<b>21</b>	22-03-2021 To 26-03-2021	67	Previous year Question paper Discussion
		68	Previous Year Question Paper Discussion
		69	Previous Year Question Paper Discussion
		70	Previous Year Question Paper Discussion
		71	Previous Year Question Paper Discussion
<b>22</b>	29-03-2021 To 02-04-2021	72	Previous Year Question Paper Discussion
		<b>29 March</b>	<b>Talent Hunt</b>
		<b>30 March</b>	<b>Easter Vacation</b>
		<b>31 March</b>	<b>Easter Vacation</b>
		<b>1 April</b>	<b>Easter Vacation</b>
		<b>2 April</b>	<b>Easter Vacation</b>



<b>Subject Code:</b>	<b>I 1C01 STA</b>
<b>Subject Name:</b>	<b>BASIC STATISTICS</b>
<b>No. of Credits:</b>	<b>3</b>
<b>No. of Contact Hours:</b>	<b>72</b>
<b>Hours per Week:</b>	<b>4</b>
<b>Name of the Teacher:</b>	<b>Priyada Jose</b>

## **1C01 STA - BASIC STATISTICS**

### **Unit I: Statistical Methods:-**

Scales of measurement - Nominal, Ordinal, Ratio and Interval, Collection of data, Primary and Secondary data, Census method, Sample survey method, Comparison of census method and sample survey method, Principal steps in a sample survey, Types of sampling - probability, restricted and non-restricted sampling, judgement and mixed sampling, SRSWOR, SRSWR, stratified and systematic random sampling(concepts only). (12 Hrs.)

### **Unit II : Measures of Central Tendency:-**

Definition and properties of various measures of central tendency - A.M, weighted A.M, Median, Mode, G.M., H.M. and weighted averages, Partition values - Quartiles, Deciles, Percentiles, Dispersion -Definition and properties of various measures of dispersion - Range, Q.D, M.D, S.D, and relative measures of dispersion, Moments - raw moments, central moments and relation between them, Skewness and Kurtosis - Definition and various measures of skewness and kurtosis. (30 Hrs)

### **Unit III: Correlation and Regression Analysis :-**

Method of least squares - Fitting of linear, quadratic and exponential curves, Regression analysis - linear regression, fitting of regression lines, regression coefficients and their properties, Correlation analysis - Definition and properties of correlation coefficient, Rank correlation coefficient-formula and problems only, Definitions of partial and multiple correlation coefficients(tri-variate case only). (18 Hrs)

### **Unit IV: Time Series and Index Numbers:-**

Time series - Meaning, need, components and models of time series, estimation of linear trend by moving average method and least square method, Index numbers - Meaning and uses of index numbers, weighted index numbers - Laspeyer's, Paasche's and Fisher's index numbers, time reversal and factor reversal tests. (12 Hrs)

### **Books for Study:**

1. Gupta, S. C. & Kapoor, V. K. (1980). Fundamentals of Mathematical Statistics, Sultan Chand & Sons, New Delhi.
2. Gupta, S. C. & Kapoor, V. K. (1994). Fundamentals of Applied Statistics, Sultan Chand & Sons, New Delhi.
3. Gupta, S. P. (2004). Statistical Methods, Sultan Chand & Sons, New-Delhi.

**Books for Reference:**

1. Mukhopadhyay, P. (1996). Mathematical Statistics, New Central Book Agency (P) Ltd., Kolkata.
2. Agarwal, B. L. (2006). Basic Statistics, 4th Edition, New Age International (P)Ltd., New Delhi.

## TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	02-11-2020 To 06-11-2020	1	Scales of measurement
		2	Collection of data
		3	Census method
		4	Principal steps in a sample survey
2	09-11-2020 To 13-11-2020	5	Restricted and non-restricted sampling
		6	Different types of sampling
		7	Probability and non-probability sampling
		8	<b>Class test –module 1</b>
3	16-11-2020 To 20-11-2020	9	Measures of central tendency
		10	Arithmetic mean and weighed arithmetic mean
		11	Median
		12	Mode
4	23-11-2020 To 27-11-2020	13	Geometric mean
		14	Harmonic mean
		15	Dispersion, Properties of various measures of dispersion – Range

No of Weeks	Dates	Session	Topic
		16	Quartile deviation
5	30-11-2020 To 04-12-2020	17	Problems
		18	Mean deviation
		19	Standard deviation
		20	Relative measure of dispersion
6	07-12-2020 To 11-12-2020	21	Moments
		22	Raw moments
		23	Central moments
		24	Relation between central moment and raw moment
7	14-12-2020 To 18-12-2020	25	Skewness
		26	Kurtosis
		27	Revision - module-2
		28	Class test - module-2
8	21-12-2020 To 25-12-2020	19 December	Christmas Vacation
			Christmas Vacation
			Christmas Vacation
		25 December	Christmas
			Christmas Vacation
9	28-12-2020 To 01-01-2021	29	Introduction
		30	Scatter Diagram
		31	Method of least squares
		32	Fitting of linear equation
10	04-01-2021 To 08-01-2021	33	Fitting of quadratic equation
		34	Fitting of exponential curve
		35	Fitting of exponential curve
		36	Regression analysis
11	11-01-2021 To 15-01-2021	37	Fitting of regression lines
		38	Regression coefficients

No of Weeks	Dates	Session	Topic
		57	Properties of regression analysis
		39	Correlation analysis
		40	Properties of correlation analysis
12	18-01-2021 To 22-01-2021	61	Correlation coefficient
		41	Rank correlation coefficient
		42	Spearman rank correlation coefficient
		43	Multiple correlation coefficient
		44	Revision
13	25-01-2021 To 29-01-2021	45	<b>Class test- module 3</b>
		26January	Republic Day
		46	Meaning, need, components of time series
		47	Models of time series
		48	Method of measuring secular trend
14	01-02-2021 To 05-02-2021	49	Method of moving average
		50	Problems Least square method
		51	Index numbers
		52	Uses and characteristic of index numbers
15	08-02-2021 To 12-02-2021	53	Problems in the construction of index numbers
		54	Method of construction of index numbers
		55	Unweighted Index numbers
		56	Weighted Index numbers
16	15-02-2021 To 19-02-2021	57	Weighted average of relatives
		58	Quantity index numbers
		59	Test on Index numbers
		60	Factor reversal test
17	22-02-2021 To 26-02-2021	61	Revision-module 1
		62	Revision-module 2
		63	Revision- module-3
		64	Cost of living index numbers
18	01-03-2021	01 March	<b>I Semester UG Internal Exam</b>

No of Weeks	Dates	Session	Topic
	To 05-03-2021	02March	I Semester UG Internal Exam
		03 March	I Semester UG Internal Exam
		66	Cost of living index numbers
19	08-03-2021 To 12-03-2021		English Proficiency
			English Proficiency
			English Proficiency
		11 March	MahaShivarathri
			English Proficiency
20	15-03-2021 To 19-03-2021		English Proficiency
			English Proficiency( Exam)
		67	Whole price Index numbers
		68	Revision module 4
21	22-03-2021 To 26-03-2021	69	<b>Class test</b>
		70	Previous year question paper discussion
		71	Previous year question paper discussion
		72	Previous year question paper discussion
22	29-03-2021 To 02-04-2021	29 March	Talent Hunt
		30 March	Easter Vacation
		31 March	Easter Vacation
		1 April	Easter Vacation
		2 April	Easter Vacation

<b>Subject Code:</b>	<b>1C 01 CSC</b>
<b>Subject Name:</b>	<b>INTRODUCTION TO COMPUTERS AND PROGRAMMING</b>
<b>No. of Credits:</b>	<b>3</b>
<b>No. of Contact Hours:</b>	<b>72</b>
<b>Hours per Week:</b>	<b>4</b>
<b>Name of the Teacher:</b>	<b>Hebin Layola</b>

### **1C 01 CSC INTRODUCTION TO COMPUTERS AND PROGRAMMING**

**Unit I:** Introduction to Computers Characteristics of Computers, Computer System Hardware, Basic Concepts of CPU, ALU, Registers, Control Unit and System Bus, Components Inside a Computer Cabinet (Motherboard, BIOS, CMOS Chip, Ports and Interfaces, Expansion Slots, Memory Chips, Storage Devices, Processor - Basic functions), Computer Memory Representation, Memory Hierarchy, Basic Concepts of Cache Memory, Primary Memory (RAM and ROM), Secondary Memory Types (Working principle is not required). (10 Hrs)

**Unit II:** Number System and Codes Decimal, Binary, Hexa-Decimal and Octal Number Systems, Conversion Between Number Systems, Binary Arithmetic, Complements of Binary Numbers (1's Complement and 2's Complement), Signed Numbers, Floating Point Numbers, Binary Coded Decimal (8421 BCD Code, Applications, BCD Addition), Gray Code, ASCII Code, Unicode (8 Hrs)

**Unit III:** Types of Software and Networking System Software, Operating System (Functions of Operating Systems), Application Software, Software Acquisition (Retail, OEM, Demo, Shareware, Freeware, Open-Source Software), Computer Networks (Importance, Types of Networks – LAN, MAN, WAN). (8 Hrs)

**Unit IV:** Introduction to Programming Types of Computer Languages (Machine Language, Assembly Language, High-level Language), Basic Concepts of Compiler, Assembler, Interpreter, Linker and Loader. Program Development Life Cycle, Algorithm, Flowcharts, Program Control Structures (Sequential, Selection, Loop), Programming Paradigms (Structured Programming, Basic Idea of Object-Oriented Programming), Characteristics of a Good Program (10 Hrs)

Books for Study:

1. Anita Goel, Computer Fundamentals, Pearson
2. Thomas L. Floyd, Digital Fundamentals, 11th Edition, Pearson

Books for Reference:

1. Rajaraman V and Adabala N, Fundamentals of Computers, PHI

2. Brian W Kernighan, D is for Digital: What a well-informed person should know about computers and communications, Create Space Independent Publishing Platform

3. Stewart Venit and Elizabeth Drake, Prelude to Programming (6th Edition), Pearson

## TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
<b>1</b>	02-11-2020 To 06-11-2020	1	<b>Unit I: Introduction to Computers</b>
		2	Characteristics of Computers
		3	Computer System Hardware
		4	Basic Concepts of CPU
<b>2</b>	09-11-2020 To 13-11-2020	5	ALU, Registers
		6	Control Unit and System Bus
		7	Components Inside a Computer Cabinet
		8	Motherboard, BIOS, CMOS Chip
<b>3</b>	16-11-2020 To 20-11-2020	9	Ports and Interfaces, Expansion Slots
		10	Memory Chips, Storage Devices
		11	Processor - Basic functions
		12	Computer Memory Representation
<b>4</b>	23-11-2020 To 27-11-2020	13	Memory Hierarchy
		14	Basic Concepts of Cache Memory
		15	Primary Memory (RAM and ROM)
		16	Secondary Memory Types (Working principle is not required)
<b>5</b>	30-11-2020 To 04-12-2020	17	Revision-Module 1
		18	<b>Class Test-Module 1</b>
		19	<b>Unit II: Number System and Codes</b>
		20	Decimal, Binary
<b>6</b>	07-12-2020 To 11-12-2020	21	Hexa-Decimal and Octal Number Systems
		22	Conversion Between Number Systems
		23	Conversion Between Number Systems
		24	Conversion Between Number Systems
<b>7</b>	14-12-2020 To 18-12-2020	25	Binary Arithmetic
		26	Complements of Binary Numbers (1's Complement and 2's Complement)
		27	Signed Numbers
		28	Floating Point Numbers
<b>8</b>	21-12-2020	<b>19 December</b>	<b>Christmas Vacation</b>

No of Weeks	Dates	Session	Topic
	To 25-12-2020		Christmas Vacation
			Christmas Vacation
		25 December	Christmas
			Christmas Vacation
9	28-12-2020 To 01-01-2021	29	Binary Coded Decimal (8421 BCD Code
		30	Applications, BCD Addition)
		31	Gray Code
		32	ASCII Code
10	04-01-2021 To 08-01-2021	33	Unicode
		34	Revision-Module 2
		35	<b>Class Test-Module 2</b>
		36	<b>Unit III:</b> Types of Software and Networking
11	11-01-2021 To 15-01-2021	37	Operating System (Functions of Operating Systems)
		38	Application Software
		39	Software Acquisition (Retail, OEM, Demo, Shareware, Freeware)
		40	Open-Source Software
12	18-01-2021 To 22-01-2021	41	Computer Networks -Importance
		42	Types of Networks – LAN, MAN, WAN
		43	System Software
		44	Revision-Module 3
13	25-01-2021 To 29-01-2021	45	<b>Class Test-Module 3</b>
		26January	Republic day
		46	Unit-IV-Introduction to Programming,
		47	Types of Computer Languages -Machine Language
14	01-02-2021 To 05-02-2021	48	Assembly Language
		49	High-level Language
		50	Basic Concepts of Compiler, Assembler, Interpreter
		51	Linker and Loader
15	08-02-2021 To 12-02-2021	52	Program Development Life Cycle
		53	Algorithm
		54	Flowcharts
		55	Program Control Structures -Sequential
16	15-02-2021 To 19-02-2021	56	Selection
		57	Loop
		58	Basic Idea of Object-Oriented Programming)
		59	Programming Paradigms
17	22-02-2021	60	Structured Programming



No of Weeks	Dates	Session	Topic
	To 26-02-2021	61	Characteristics of a Good Program
		62	Revision-Module 4
		63	<b>Class Test-Unit-IV</b>
<b>18</b>	01-03-2021 To 05-03-2021	01 March	<b>I Semester UG Internal Exam</b>
		02 March	<b>I Semester UG Internal Exam</b>
		03 March	<b>I Semester UG Internal Exam</b>
		64	Revision-Module 1
<b>19</b>	08-03-2021 To 12-03-2021		English Proficiency
			English Proficiency
			English Proficiency
		11 March	<b>Maha Shivarathri</b>
			English Proficiency
<b>20</b>	15-03-2021 To 19-03-2021		English Proficiency
			English Proficiency( Exam)
		65	Revision Module 2
		66	Revision Module 3
<b>21</b>	22-03-2021 To 26-03-2021	67	<b>Class Test</b>
		68	Previous Year Question Paper Discussion
		69	Previous Year Question Paper Discussion
		70	Previous Year Question Paper Discussion
		71	Previous Year Question Paper Discussion
		72	Previous Year Question Paper Discussion
<b>22</b>	29-03-2021 To 02-04-2021	29 March	<b>Talent Hunt</b>
		30 March	<b>Easter Vacation</b>
		31 March	<b>Easter Vacation</b>
		1 April	<b>Easter Vacation</b>
		2 April	<b>Easter Vacation</b>



Subject Code:	1A07MAL
Subject Name:	COMMON COURSE – Malayalam - kathaamatrukakal
No. of Credits:	4
No. of Contact Hours:	72
Hours per Week:	4
Name of the Teacher:	Divya MM

#### COMMON COURSE1 : katha matrukakal

Semester	Course Code	Hours per week	Credit	Exam Hrs
First	1A07MAL	4	4	3

course out comes

1. ചെറുകഥ നോവൽ എന്നീ സാഹിത്യവിഭാഗങ്ങളെ പരിചയപ്പെടുക.
2. വായനാഭിരുചിയും ആസ്വാദന ശേഷിയും വളർത്തിയെടുക്കുക.
3. ചെറുകഥയുടെയും നോവലിന്റെയും ഉദയ വികാസങ്ങളെ പറ്റി യുള്ള സാമാന്യബോധം ഉണ്ടാക്കിയെടുക്കുക.
4. ഘടന,പ്രമേയം, ആഖ്യാനം എന്നിവ വിലയിരുത്താൻ പ്രാപ്തമാക്കുക.
5. ജീവിതാവസ്ഥകളുടെ സങ്കീർണതയും അനുഭൂതികളും ബോധ്യപ്പെടുക.
6. സർഗാത്മകശേഷി വികസിപ്പിക്കുക.

#### യൂണിറ്റ് 1

##### ചെറുകഥ

1. മദിരാശിപ്പിത്തലാട്ടം - വേങ്ങയിൽ കുഞ്ഞിരാമൻ നായനാർ
2. ഉത്തരം കിട്ടാത്ത ചോദ്യം- വീടി ഭട്ടത്തിരിപ്പാട്
3. മരപ്പാവകൾ-കാരൂർ നീലകണ്ഠപിള്ള

#### യൂണിറ്റ് 2

1. തരിശുനിലം -മാധവിക്കുട്ടി
2. വന്ദരങ്ങൾവീഴുമ്പോൾ - എൻ എസ് മാധവൻ
3. അശോക -സാനാ ജോസഫ്
4. മോദസ്ഥിതനായങ്ങു വസിപ്പു മലപോലെ -എസ് ഹരിഷ്

#### യൂണിറ്റ് 3

##### നോവൽ

1. നൂറുസിംഹാസനങ്ങൾ -ജയമോഹൻ

#### യൂണിറ്റ് 4

##### നോവൽ ഭാഗങ്ങൾ

1. സരസ്വതിവിജയം - പോത്തേരി കുഞ്ഞമ്പു
2. ഒരുതെരുവിന്റെകഥ - എസ് കെ പൊറ്റക്കാട്
3. ഖസാക്കിന്റെ ഇതിഹാസം - ഒ.വി വിജയൻ
4. ആരാച്ചാർ - കെ.ആർ.മിര

## TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
	02-11-2020 To 07-11-2020	1	ഭാഷാ പഠനത്തിന് ഒരു ആമുഖം
		2	കഥ യുടെ നാൾവഴികൾ
		3	വേങ്ങയിൽ കുഞ്ഞിരാമൻ നയനാരെ കുറിച്ച്
		4	ആദ്യകാല കഥകളുടെ പ്രത്യേകതകൾ
2	09-11-2020 To 13-11-2020	5	മദിരാശിപിത്തലാട്ടം ഭാഷാപരമായ സവിശേഷതകൾ മദിരാശി പിത്തലാട്ടം വിശദീകരണം
		6	ചെറുകഥ നിരൂപണം തയ്യാറാക്കുന്നത് എപ്രകാരം എന്നതിനെക്കുറിച്ചുള്ള ചർച്ച
		7	മദിരാശി പിത്തലാട്ടം കഥ വ്യാഖ്യാനം
		8	ക്ലാസ് പരീക്ഷ
3	16-11-2020 To 20-11-2020	9	നമ്പൂതിരി സമുദായത്തിന്റെ സാമൂഹിക പശ്ചാത്തലം നവോത്ഥാന കഥകൾ ഒരാമുഖം വീട്ടി ഭട്ടത്തിരിപ്പാട് എന്ന എഴുത്തുകാരൻ
		10	ഉത്തരം കിട്ടാത്ത ചോദ്യം കഥാ വിശദീകരണം
		11	ഉത്തരം കിട്ടാത്ത ചോദ്യം കഥാ വിശദീകരണം
		12	ഉത്തരം കിട്ടാത്ത ചോദ്യം കഥാ വിശദീകരണം
4	23-11-2020 To 27-11-2020	13	കാരൂർ നീലകണ്ഠപ്പിള്ള എന്ന എഴുത്തുകാരൻ
		14	കഥകളുടെ മനശാസ്ത്ര പരത
		15	മരപ്പാവകൾ കഥ വിശദീകരണം
		16	മരപ്പാവകൾ കഥ വിശദീകരണം മരപ്പാവകൾ കഥ വിശദീകരണം
5	30-11-2020 To 04-12-2020	17	മാധവിക്കുട്ടി എന്ന എഴുത്തുകാരി
		18	പെണ്ണെഴുത്തും മലയാള സാഹിത്യവും
		19	തരിശുനിലം കഥ വിശദീകരണം
		20	തരിശുനിലം കഥ വിശദീകരണം

6	07-12-2020 To 11-12-2020	21	എൻ എസ് മാധവൻ എന്ന എഴുത്തുകാരനെ കുറിച്ച്
		22	കഥകളിലെ ചരിത്രം
		23	ഇന്ദിരാ ഗാന്ധി വധവും പശ്ചാത്തലവും
		24	വന്ദരങ്ങൾ വീഴുമ്പോൾ കഥ വിശദീകരണം
7	14-12-2020 To 18-12-2020	25	വന്ദരങ്ങൾ വീഴുമ്പോൾ കഥ വിശദീകരണം
		26	ക്ലാസ് പരീക്ഷ
		27	സാനാ ജോസഫ് എഴുത്തുകാരി
		28	കഥകളിലെ പുരാണ പശ്ചാത്തലങ്ങൾ ഇതിഹാസങ്ങളുടെ പുനർവായന കഥകളിൽ
8	21-12-2020 To 25-12-2020	19 December	Christmas Vacation
			Christmas Vacation
			Christmas Vacation
		25 December	Christmas
			Christmas Vacation
9	28-12-2020 To 01-01-2021	29	എസ് ഹരിഷ് എന്ന എഴുത്തുകാരനെ കുറിച്ച്
		30	ആധുനികകാലത്ത് ജാതിചിന്ത - ചർച്ച
		31	മോദസ്ഥിതനായങ്ങു വസിപ്പു മലപ്പോലെ കഥ വിശദീകരണം
		32	മോദസ്ഥിതനായങ്ങു വസിപ്പു മലപ്പോലെ കഥ വിശദീകരണം
10	04-01-2021 To 08-01-2021	33	ക്ലാസ് പരീക്ഷ
		34	നോവൽ സാഹിത്യത്തിന്റെ നാൾവഴികൾ
		35	നോവൽ രചനയുടെ പ്രത്യേകതകൾ
		36	ദളിത് സാഹിത്യം
11	11-01-2021 To 15-01-2021	37	ജയമോഹൻ എന്ന എഴുത്തുകാരനെ കുറിച്ച്
		38	നൂറ് സിംഹാസനങ്ങൾ നോവൽ വിശദീകരണം
		39	നോവൽ നിരൂപണം തയ്യാറാക്കുന്നതെങ്ങനെ ചർച്ച
		40	നൂറ് സിംഹാസനങ്ങൾ നോവൽ വിശദീകരണം
12	18-01-2021 To 22-01-2021	41	ആദ്യകാല നോവലുകൾ ഒരു അവലോകനം
		42	പോത്തേരികുഞ്ഞമ്പുവിന്റെ സരസ്വതിവിജയം ചർച്ച

		43	സരസ്വതിവിജയം ഒന്നാം അധ്യായം വിശദീകരണം
		44	ആധുനിക നോവൽ എന്നാലെന്ത് ചർച്ച
13	25-01-2021 To 29-01-2021	45	ഒ വി വിജയൻഎന്ന എഴുത്തുകാരനെക്കുറിച്ച് ഖസാക്കിന്റെ ഇതിഹാസം ഒമ്പതാം അധ്യായം ( ആദ്യപാഠങ്ങൾ ) വിശകലനം
		26January	Republic day
		46	ഖസാക്കിന്റെ ഇതിഹാസം ഒമ്പതാം അധ്യായം ( ആദ്യപാഠങ്ങൾ ) വിശകലനം
		47	ക്ലാസ് പരീക്ഷ
		48	കെ ആർ മീര എന്ന എഴുത്തുകാരിയെ കുറിച്ച്
14	01-02-2021 To 05-02-2021	49	ആരാച്ചാർ എന്ന നോവലിലെ ഇരുപത്തിനാലാം അധ്യായം വിശദീകരണം
		50	ആരാച്ചാർ എന്ന നോവലിലെ ഇരുപത്തിനാലാം അധ്യായം വിശദീകരണം
		51	ആരാച്ചാർ എന്ന നോവലിലെ ഇരുപത്തിനാലാം അധ്യായം വിശദീകരണം
		52	എസ് കെ പൊറ്റക്കാട് എന്ന എഴുത്തുകാരനെ കുറിച്ച്
15	08-02-2021 To 12-02-2021	53	ഒരു തെരുവിന്റെ കഥ എന്ന നോവലിലെ എട്ടാം അധ്യായം ( ജ്യോതിഷ കാരൻ ) വിശദീകരണം
		54	ഒരു തെരുവിന്റെ കഥ എന്ന നോവലിലെ എട്ടാം അധ്യായം ( ജ്യോതിഷ കാരൻ ) വിശദീകരണം
		55	ക്ലാസ് പരീക്ഷ
		56	സർവ്വകലാശാല പരീക്ഷ അഭിമുഖീകരിക്കുന്ന തിനുള്ള നിർദ്ദേശങ്ങൾ
16	15-02-2021 To 19-02-2021	57	യൂണിറ്റ് ഒന്ന് റിവീഷൻ
		58	യൂണിറ്റ് ഒന്ന് റിവീഷൻ
		59	യൂണിറ്റ് ഒന്ന് റിവീഷൻ
		60	യൂണിറ്റ് രണ്ട് റിവീഷൻ
17	22-02-2021	61	യൂണിറ്റ് രണ്ട് റിവീഷൻ

	To 26-02-2021		
		62	യൂണിറ്റ് മൂന്ന് റിവിഷൻ
		63	യൂണിറ്റ് മൂന്ന് റിവിഷൻ
		64	കുമാരചന്ദ്രൻ
18	01-03-2021 To 05-03-2021	01 March	I Semester UG Internal Exam
		02 March	I Semester UG Internal Exam
		03 March	I Semester UG Internal Exam
		65	നോവലിന്റെ ആഖ്യാനരീതികൾ - ചർച്ച
		66	ചെറുകഥയും നോവലും തമ്മിലുള്ള വ്യത്യാസം-ചർച്ച
		67	ഭക്തി സാഹിത്യത്തിന്റെ പ്രസക്തി - ചർച്ച
19	08-03-2021 To 12-03-2021		English Proficiency
			English Proficiency
			English Proficiency
		11 March	Maha Shivarathri
			English Proficiency
20	15-03-2021 To 19-03-2021		English Proficiency
			English Proficiency( Exam)
		68	സ്ത്രീപക്ഷ സാഹിത്യവും ആധുനികതയും- ചർച്ച
		69	റിവിഷൻ
21	22-03-2021 To 26-03-2021	70	റിവിഷൻ
		71	റിവിഷൻ
		72	റിവിഷൻ
		73	റിവിഷൻ
22	29-03-2021 To 02-04-2021	29 March	Talent Hunt
		30 March	Easter Vacation
		31 March	Easter Vacation
		1 April	Easter Vacation
		2 April	Easter Vacation





<b>Subject Code:</b>	<b>1A07HIN</b>
<b>Subject Name:</b>	<b>HINDI KAVITHA</b>
<b>No. of Credits:</b>	<b>4</b>
<b>No. of Contact Hours:</b>	<b>72</b>
<b>Hours per Week:</b>	<b>4</b>
<b>Name of the Teacher:</b>	<b>JAINY N GEORGE</b>

**Updated syllabus**

ADDITIONAL COMMON COURSE : VII

**हिन्दी कविता (HINDI KAVITHA)**

SEMESTER	COURSE CODE	HOURS PER WEEK	CREDIT	EXAM HRS
I	IA07HIN	4	4	3

COURSE OUTCOME

CO1 : Understanding the role played by the poets of bhakthikal in literature and society.

CO2 : Understanding the philosophy of life as well as poems of chayavad.

CO3 : Understanding the poems of Modern poets in context with their experience of life.

CO4 : Understanding the contemporary spirit of the poets.

**Unit I :**

1. कबीरदास – पद- 1  
दोहा- प्रथम पाँच
2. सूरदास – पद- 1, 2, 3
3. तुलसीदास – विनय के पद- 1, 2
4. रहीम - दोहा- प्रथम पाँच

( 15 Hrs)

**Unit II :**

1. मैथिलीशरण गुप्त- आर्य
2. सूर्यकांत त्रिपाठी निराला- जागो फिर एक बार
3. महादेवी वर्मा- पंथ होने दो अपरिचित
4. हरिवंशराय बच्चन – अग्निपथ

( 17 Hrs)

**Unit III:**

1. सर्वेश्वर दयाल सक्सेना- पोस्टर और आदमी
2. अज्ञेय- नाच

( 15 Hrs)

**Unit IV:**

1. कुंवर नारायण – घर पहुँचना
2. लीलाधर जगूड़ी – जरूरत है
3. अरुण कमल – पुतली में संसार
4. अशोक बाजपेय – एक खिड़की
5. कात्यायनी – सितकनी
6. ओमप्रकाश वाल्मीकी – ठाकुर का कुआँ
7. जानेन्द्रपति – रेत के द्वीप पसर आये हैं

( 25 Hrs)

Books for Study:

1. 'हिन्दी कविता', Ed. by board of studies U G Kannur university  
राजकमल प्रकाशन लिमिटेड, नई दिल्ली

## TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	02-11-2020 To 06-11-2020	1	कबीर दास
		2	कबीर दास
		3	कबीर दास
		4	कबीर दास
2	09-11-2020 To 13-11-2020	5	तुलसीदास
		6	तुलसीदास
		7	तुलसीदास
		8	तुलसीदास
3	16-11-2020 To 20-11-2020	9	कक्षा परीक्षा
		10	रहीम
		11	रहीम
		12	रहीम
4	23-11-2020 To 27-11-2020	13	रहीम
		14	आर्य
		15	आर्य
		16	आर्य
5	30-11-2020 To 04-12-2020	17	आर्य
		18	जगोफीर एक बार
		19	जगोफीर एक बार
		20	जगोफीर एक बार

6	07-12-2020 To 11-12-2020	21	जगोफीर एक बार
		22	जगोफीर एक बार
		23	जगोफीर एक बार
		24	पंथ होने दो अपरिचित
7	14-12-2020 To 18-12-2020	25	पंथ होने दो अपरिचित
		26	पंथ होने दो अपरिचित
		27	पंथ होने दो अपरिचित
		28	पंथ होने दो अपरिचित
8	21-12-2020 To 25-12-2020	19 December	Christmas Vacation
			Christmas Vacation
			Christmas Vacation
		25 December	Christmas
			Christmas Vacation
9	28-12-2020 To 01-01-2021	29	अग्नीपथ
		30	अग्नीपथ
		31	अग्नीपथ
		32	अग्नीपथ
10	04-01-2021 To 08-01-2021	33	नाच
		34	नाच
		35	नाच
		36	नाच
11	11-01-2021 To 15-01-2021	37	कक्षा परीक्षा
		38	पोस्टर और आदमी
		39	पोस्टर और आदमी
		40	पोस्टर और आदमी
12	18-01-2021 To 22-01-2021	41	पोस्टर और आदमी
		42	पोस्टर और आदमी
		43	पोस्टर और आदमी
		44	पोस्टर और आदमी
13	25-01-2021 To 29-01-2021	45	पोस्टर और आदमी
		26 January	Republic day
		46	घर पहुंचना
		47	घर पहुंचना
14	01-02-2021 To	48	घर पहुंचना
		49	घर पहुंचना
		50	घर पहुंचना
		51	पुतली में संसार

	05-02-2021	52	पुतली में संसार
15	08-02-2021 To 12-02-2021	53	पुतली में संसार
		54	पुतली में संसार
		55	पुतली में संसार
		56	पुतली में संसार
16	15-02-2021 To 19-02-2021	57	पुतली में संसार
		58	पुतली में संसार
		59	एक खिड़की
		60	एक खिड़की
17	22-02-2021 To 26-02-2021	61	एक खिड़की
		62	एक खिड़की
		63	एक खिड़की
		64	एक खिड़की
18	01-03-2021 To 05-03-2021	01 March	I Semester UG Internal Exam
		02 March	I Semester UG Internal Exam
		03 March	I Semester UG Inte
		65	ठाकुर का कुवा
19	08-03-2021 To 12-03-2021		English Proficiency
			English Proficiency
			English Proficiency
		11 March	MahaShivarathri
			English Proficiency
20	15-03-2021 To 19-03-2021		English Proficiency
			English Proficiency( Exam)
		66	सिटकिनी
		67	सिटकिनी
21	22-03-2021 To 26-03-2021	68	कक्षा परीक्षा
		69	रेत के द्वीप पसर आए हैं
		70	रेत के द्वीप पसर आए हैं
		71	रेत के द्वीप पसर आए हैं
22	29-03-2021 To 02-04-2021	72	कक्षा परीक्षा
		29 march	Talent Hunt
		31 March	Easter Vacation
		1 April	Easter Vacation
		2 April	Easter Vacation

