

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 -II

ACADEMIC YEAR- (2020-21)

II Semester B Sc Mathematics (2020 - 23)

SL. No.	Name of Subjects with Code	Name of the Teacher	Duty Hours per week
1.	2A03 ENG Readings on Life and Nature	Anu P Thomas	6
2.	2A04 ENG Readings on Gender	Twinkle Thoms	4
3.	2A08 HIN RachanaThathaPrayog	Jainy N George	4
4.	2A08 MAL KavithaMathrukakal	Rajisha CK	
5.	2B02 MAT Integral Calculus and Logic	Remya Raj	4
6.	2C02 STA Probability theory and Random variables	Sneha P Sebastian	4
7	2C02 CSC Programmimg in C	Sindhu PM	2
	4C05 CSC Complementary elective course v: lab 1 – programming in c	Sindhu PM	2
	Name of Class Incharge : Sneha P Sebastian		

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	2C02 STA Probability theory and Random variables	2B02 MAT Integral Calculus and Logic	2C02 CSC Programmimg in C	2A08 HIN RachanaThathaPrayog / 2A08 MAL KavithaMathrukakal	2A03 ENG Readings on Life and Nature
2	2A04 ENG Readings on Gender	2C02 STA Probability theory and Random variables	2C02 CSC Programmimg in C	2A03 ENG Readings on Life and Nature	2A08 HIN RachanaThathaPrayog / 2A08 MAL KavithaMathrukakal
3	2C02 CSC Programmimg in C	2A03 ENG Readings on Life and Nature	2B02 MAT Integral Calculus and Logic	2A08 HIN RachanaThathaPrayog / 2A08 MAL KavithaMathrukakal	2A04 ENG Readings on Gender

4	2A03 ENG Readings on Life and Nature	2A04 ENG Readings on Gender	2B02 MAT Integral Calculus and Logic	2A08 HIN RachanaThathaPr ayog / 2A08 MAL KavithaMathruka kal	2C02 STA Probability theory and Random variables
5	2C02 STA Probability theory and Random variables	2B02 MAT Integral Calculus and Logic	2A04 ENG Readings on Gender	2A03 ENG Readings on Life and Nature	2C02 CSC Programmimg in C
6	2B02 MAT Integral Calculus and Logic	2A04 ENG Readings on Gender	2C02 STA Probability theory and Random variables	2C02 CSC Programmimg in C	2A03 ENG Readings on Life and Nature

Subject Code:	2A03 ENG
Subject Name:	READINGS ON LIFE AND NATURE
No. of Credits:	4
No. of Contact Hours:	90
Hours per Week:	6
Name of the Teacher:	ANU P THOMAS

SYLLABUS

Course Outcomes

- Understand the basic themes and issues related to ecology through articles, poems, stories, life writings and historical narratives.
- Assume ecologically friendly attitudes in events related to everyday life.
- Identify the specific ecological problems related to Kerala.
- Identify the major ecological movements around the world and within the country.
- Ability to express specific opinions when confronted with ecology/development binary.
- Identify the major or minor ecological issues happening around the student's native place.

CONTENT SPECIFICATIONS

MODULE I

1. Environmental Studies: Definition, Scope and Importance
2. Concept of Ecosystem
3. "The Fish"- Elizabeth Bishop
4. "Trophic Cascade" – Camille T Dungy
5. "The Rightful Inheritors of the Earth" – Vaikom Muhammad Basheer

MODULE II

1. Biodiversity
2. Disaster Management: Floods, Earthquakes, Cyclones, Landslides
3. "Real Estate" – Sebastian
4. "The Truth about the Flood" – Nissim Ezekiel
5. "Matsyagandhi" – Sajitha Madathil

MODULE III

1. Role of an Individual in Prevention of Pollution
2. Environmental Values
3. "The End of Living – The Beginning of Survival"- Chief of Seattle
4. "Going Local" – Helena Norberg-Hodge

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	08-04-2021 To 10-04-2021	1	Introduction to life and nature
		2	Environmental studies: definition and scope
		3	Environmental studies: importance
2	12-04-2021 To 17-04-2021	4	Environmental studies: importance
		April 14	Vishu
		5	Concept of ecosystem
		6	Understanding ecosystem
		7	Ecosystem degradation
3	19-04-2021 To 24-04-2021	8	Resource utilisation
		9	“The Fish” Elizabeth Bishop
		10	“The Fish” –Summary
		11	“The Fish”- Critical analysis
		12	“The Fish”- Examination
		13	“Trophic Cascade” – Camille T Dungy
4	26-04-2021 To 01-05-2021	14	“Trophic Cascade” – Camille T Dungy- poet
		15	“Trophic Cascade” – Camille T Dungy- summary
		16	“Trophic Cascade” – Camille T Dungy- analysis
		17	“Trophic Cascade” – Camille T Dungy- analysis
		18	“Trophic Cascade” – Camille T Dungy- examination
		19	“The Rightful Inheritors of the Earth”- Vaikom Muhammad Basheer- Introduction
5	03-05-2021 To 08-05-2021	20	The Rightful Inheritors of the Earth”- Vaikom Muhammad Basheer- Author
		21	The Rightful Inheritors of the Earth”- Vaikom Muhammad Basheer- Summary
		22	The Rightful Inheritors of the Earth”- Vaikom Muhammad Basheer- Analysis
		23	The Rightful Inheritors of the Earth”- Vaikom Muhammad Basheer- Examination
		24	Biodiversity- Introduction
		25	Biodiversity- Definition, Types of Biodiversity
6	10-05-2021 To 15-05-2021	26	Biodiversity- Genetic Diversity, Species Diversity and Ecosystem Diversity
		27	Biodiversity- Biogeographic Classification of India
		28	Disaster Management- Introduction
		29	Disaster Management- Flood and Mitigation Measures

No of Weeks	Dates	Session	Topic
		30	Disaster Management- Earthquake and Mitigation Measures
		May 13	Edul- Fither
		31	Disaster Management- Cyclones and Mitigation Measures
7	17-05-2021 To 22-05-2021	32	Disaster Management- Landslides and Mitigation Measures
		33	“Real Estate”- Sebastian
		34	“Real Estate”- Discussion
		35	“Real Estate”- Summary
		36	“Real Estate”- Analysis
		37	“Real Estate”- Examination
8	24-05-2021 To 29-05-2021	38	“The Truth about the Flood” – Nissim Ezekiel- Poet
		39	“The Truth about the Flood” – Discussion
		40	“The Truth about the Flood” – Summary
		41	“The Truth about the Flood” – Analysis
		42	“The Truth about the Flood” – Examination
		43	“Matsyagandhi” – SajithaMdathil - Poet
9	31-05-2021 To 05-06-2021	44	“Matsyagandhi” – Summary
		45	“Matsyagandhi” – Analysis
		46	Class Presentation
		47	Class Presentation
		48	“Matsyagandhi” – Examination
		49	Role of an Individual in Prevention of Pollution
10	07-06-2021 To 12-06-2021	50	Role of an Individual in Prevention of Pollution
		51	Environmental Values
		52	Environmental Values
		53	Environmental Values
		54	Class Presentation
		55	Class Presentation
11	14-06-2021 To 19-06-2021	56	Class Presentation
		57	Class Presentation
		58	Class Presentation
		59	Class Presentation
		60	“Going Local”- Helena Norberg- Hodge
		61	“Going Local”- author
12	21-06-2021 To	62	“Going Local”- Summary
		63	“Going Local”- Summary

No of Weeks	Dates	Session	Topic
	26-06-2021	65	“Going Local”- Analysis
		65	“Going Local”- Analysis
		66	“Going Local”- Examination
		67	Class Presentation
13	28-06-2021 To 03-07-2021	68	Class Presentation
		69	“The End of Living- The Beginning of Survival” – Chief of Seattle- Author
		70	“The End of Living- The Beginning of Survival” – Summary
		71	“The End of Living- The Beginning of Survival” – Summary
		72	“The End of Living- The Beginning of Survival” – Analysis
		73	“The End of Living- The Beginning of Survival” – Examination
14	05-07-2021 To 10-07-2021	74	Class Presentation
		75	Class Presentation
		76	Class Presentation
		77	Class Presentation
		78	Class Presentation
		79	Class Presentation
15	12-07-2021 To 17-07-2021	80	Class Presentation
		81	Revision
		82	Revision
		83	Revision
		84	Revision
		85	Revision
16	19-07-2021 To 24-07-2021	86	Revision
		20 July	Bakrid - Holiday
		87	Practice Test
		88	Practice Test
		89	Practice Test
		90	Practice Test
			II Semester UG Internal Examination
17	26-07-2021 To 30-07-2021		II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
18	02-08-2021		Study Leave

Subject Code:	2A04 ENG
Subject Name:	Readings on Gender
No. of Credits:	3
No. of Contact Hours:	72
Hours per Week:	5
Name of the Teacher:	Twinkle Thomas

MODULE- I

1. An Introduction *Kamala Das*
2. Kitchen Rags *VijilaChirapadu*
3. DakshayaniVelayudhan- A Biographical Sketch *MeeraVelayudhan*
4. Learning to be a Mother *Shashi Deshpande*
5. Is this Desirable? *LalithambikaAntharjanam*

MODULE- II

6. Still I Rise *Maya Angelou*
7. I Am Not that Woman *KishwarNaheed*
8. Structural Violence and the Trans Struggle for Dignity
 Gee ImaanSemmalar
9. Gender Justice and the Media *Ammu Joseph*
10. Clothing Matters: Visiting the Melmundusamaram in Keralam
 Sheeba K M

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	08-04-2021 To 10-04-2021	1	Introducing the Subject
		2	Defining Gender
		3	Difference between gender and sex
2	12-04-2021 To 17-04-2021	4	Kamala Das
		April 14	Vishu
		5	An Introduction
		6	An Introduction
		7	An Introduction
		8	Discussing Q & A

No of Weeks	Dates	Session	Topic
3	19-04-2021 To 24-04-2021	9	Kitchen Rags
		10	Kitchen Rags
		11	Kitchen Rags
		12	Discussing Q & A
		13	CLASS TEST
4	26-04-2021 To 01-05-2021	14	DakshayaniVelayudhan- A Biographical Sketch
		15	DakshayaniVelayudhan- A Biographical Sketch
		16	DakshayaniVelayudhan- A Biographical Sketch
		17	DakshayaniVelayudhan- A Biographical Sketch
		18	DakshayaniVelayudhan- A Biographical Sketch
5	03-05-2021 To 08-05-2021	19	Discussing Q & A
		20	Learning to be a Mother
		21	Learning to be a Mother
		22	Learning to be a Mother
		23	Learning to be a Mother
6	10-05-2021 To 15-05-2021	24	Discussing Q & A
		25	Is this Desirable?
		26	Is this Desirable?
		27	Is this Desirable?
		May 13	Edul- Fither
		28	Discussing Q & A
7	17-05-2021 To 22-05-2021	29	Revision and Note Submission
		30	CLASS TEST – Module I
		31	Still I Rise
		32	Still I Rise
		33	Still I Rise
8	24-05-2021 To 29-05-2021	34	Discussing Q & A
		35	I Am Not That Woman
		36	I Am Not That Woman
		37	I Am Not That Woman
		38	I Am Not That Woman
9	31-05-2021 To 05-06-2021	39	Discussing Q & A
		40	CLASS TEST
		41	Structural Violence and trans Struggle for Dignity
		42	Structural Violence and trans Struggle for Dignity
		43	Structural Violence and trans Struggle for Dignity
10	07-06-2021 To	44	Structural Violence and trans Struggle for Dignity
		45	Structural Violence and trans Struggle for Dignity

No of Weeks	Dates	Session	Topic
	12-06-2021	46	Structural Violence and trans Struggle for Dignity
		47	Discussing Q & A
		48	Gender Justice and the Media
11	14-06-2021 To 19-06-2021	49	Gender Justice and the Media
		50	Gender Justice and the Media
		51	Gender Justice and the Media
		52	Gender Justice and the Media
		53	Gender Justice and the Media
12	21-06-2021 To 26-06-2021	54	Discussing Q & A
		55	Clothing Matters: Visiting the Melmundusamaram in Keralam
		56	Clothing Matters: Visiting the Melmundusamaram in Keralam
		57	Clothing Matters: Visiting the Melmundusamaram in Keralam
13	28-06-2021 To 03-07-2021	58	Clothing Matters: Visiting the Melmundusamaram in Keralam
		59	Clothing Matters: Visiting the Melmundusamaram in Keralam
		60	Discussing Q & A
		61	Revision & Note Submission
14	05-07-2021 To 10-07-2021	62	CLASS TEST
		63	Revision- Module I
		64	Revision- Module I
		65	Revision Test
15	12-07-2021 To 17-07-2021	66	Revision- Module II
		67	Revision- Module II
		68	Revision- Module II
		69	Revision- Module II
16	19-07-2021 To 24-07-2021	70	REVISION TEST
		20 July	Bakrid - Holiday
		71	Revision
		72	Revision
			II Semester UG Internal Examination
17	26-07-2021 To 30-07-2021		II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
18	02-08-2021		Study Leave

Subject Code:	2B02 MAT
Subject Name:	INTEGRAL CALCULUS AND LOGIC
No. of Credits:	4
No. of Contact Hours:	72
Hours per Week:	5
Name of the Teacher:	REMYA RAJ

Module –I:

Unit I – Integration of hyperbolic functions, Reduction formulae (20 hours)

Hyperbolic functions (Section 7.7 of Text 1). Reduction formulae, Integration of $\sin^n x$ evaluation of the definite integral $\int_0^{\pi/2} \sin^n x \, dx$, Integration of $\cos^n x$, evaluation of the definite integral $\int_0^{\pi/2} \cos^n x \, dx$, Integration of $\sin^n x \cos^n x$ evaluation of the definite integral $\int_0^{\pi/2} \sin^n x \cos^n x \, dx$, integration of $\tan^n x$, integration of $\cot^n x$, integration of $\sec^n x$, integration of $\operatorname{cosec}^n x$ (Sections 2.8, 4.1, 4.1.1, 4.2, 4.2.1, 4.3, 4.3.1, 4.4.1, 4.4.2, 4.5.1, 4.5.2 of Text 2)

Module – II:

Unit II – Multiple integrals (20 hours)

Polar coordinates (Sections 11.3 of Text 1). Multiple integrals: Double and iterated integrals over rectangles, double integrals over general regions, area by double integration, double integrals in polar form, triple integrals in rectangular coordinates, triple integrals in cylindrical and spherical co-ordinates, substitution in multiple integrals (Sections 11.3, 15.1, 15.2, 15.3, 15.4, 15.5, 15.7, 15.8 of Text 1).

Module – III:

Unit III - Numerical integration (12 hours)

Numerical integration, Trapezoidal rule, Simpson's 1/3 rd rule (Sections 6.3, 6.3.1, 6.3.2 of Text 3).

Module – IV:

Unit IV – Logic and proofs (20 hours)

Logic and proofs (Appendix A of Text 4). Propositional functions and truth set, Negation of quantified statements (Section 10.11, 10.12 of Text 5).

Prescribed Textbook

1. G.B, Thomas Jr., M.D. Weir and J.R. Hass, Thomas' Calculus (12th edition), Pearson Education
2. S. Narayan and P.K. Mittal, Integral Calculus, S. Chand
3. S. R. K. Iyengar and R. K. Jain, Mathematical methods (2nd edition), Narosa Publishing House
4. R.G. Bartle and D.R. Sherbert, Introduction to Real Analysis (4th edition), Wiley
5. S. Lipschutz, Set Theory and Related Topics (2nd edition), Schaum's Series.

Books for Reference

1. S.S. Sastry, Introductory Methods of Numerical Analysis (5th edition), PHI.
2. F.B. Hidebrand, Introduction to Numerical Analysis, TMH.
3. E. Kreyzig, Advanced Engineering Mathematics (10th Edition), Wiley
4. V.N. Vedamurthy and N.Ch.S.N. Iyengar, Numerical Methods, Vikas Publishing House.

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	08-04-2021 To 10-04-2021	1	Hyperbolic functions,introduction,examples
		2	Problems
		3	Problems
2	12-04-2021 To 17-04-2021	4	Reduction formula,problems
		April 14	Vishu
		5	Integration of $\sin^n x$ -problems
		6	Problems
		7	Evaluation of the definite integral $\int_0^{\pi/2} \sin^n x \, dx$, problems
3	19-04-2021 To 24-04-2021	8	Problems
		9	Integration of $\cos^n x$,problems
		10	Evaluation of the definite integral $\int_0^{\pi/2} \cos^n x \, dx$, problems
		11	Problems
4	26-04-2021 To 01-05-2021	12	Integration of $\sin^n x \cos^n x$, problems
		13	Evaluation of the definite integral $\int_0^{\pi/2} \sin^n x \cos^n x \, dx$, problems

No of Weeks	Dates	Session	Topic
5	03-05-2021 To 08-05-2021	14	integration of $\tan^n x$, <i>problems</i>
		15	integration of $\cot^n x$, <i>problems</i>
		16	integration of $\sec^n x$, <i>problems</i>
		17	integration of $\operatorname{cosec}^n x$, <i>problems</i>
		18	Class test
6	10-05-2021 To 15-05-2021	19	Polar coordinates,introduction,examples
		20	Problems
		21	Problems
		22	Multiple integrals: Double and iterated integrals over rectangles,problems
		23	Problems
7	17-05-2021 To 22-05-2021	May 13	EduL- Fithr
		24	Double integrals over general regions,problems
		25	problems
		26	Area by double integration, introduction,examples
		27	Double integrals in polar form, problems
8	24-05-2021 To 29-05-2021	28	Problems
		29	Triple integrals in rectangular coordinates, problems
		30	Problems
		31	Triple integrals in cylindrical and spherical co-ordinates,introduction,examples
		32	Problems
9	31-05-2021 To 05-06-2021	33	Problems
		34	Substitution in multiple integrals,problems
		35	Problems
		36	Problems
		37	Revision
10	07-06-2021 To 12-06-2021	38	Class test
		39	Numerical integration, introduction
		40	Examples
		41	Problems
		42	Trapezoidal rule, problems
11	14-06-2021 To 19-06-2021	43	Problems
		44	Problems
		45	Problems
		46	Simpson's 1/3 rule,problems
		47	Problems
12	21-06-2021	48	Problems

No of Weeks	Dates	Session	Topic
	To 26-06-2021	49	Revision
		50	Class test
		51	Logic and proofs ,introduction,examples
		52	Problems
13	28-06-2021 To 03-07-2021	53	Problems
		54	Propositional functions and truth set, examples
		55	Problems
		56	Problems
		57	Problems
14	05-07-2021 To 10-07-2021	58	Negation of quantified statements,examples
		59	Problems
		60	Problems
		61	Problems
		62	Problems
15	12-07-2021 To 17-07-2021	63	Revision
		64	Class test
		65	Revision of module 1
		66	Revision of module 1
		67	Revision of module 2
16	19-07-2021 To 24-07-2021	68	Revision of module 2
		20 July	Bakrid - Holiday
		69	Revision of module 3
		70	Revision of module 4
		71	University question paper discussion
		72	Class test
			II Semester UG Internal Examination
17	26-07-2021 To 30-07-2021		II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
18	02-08-2021		Study Leave

Subject Code:	2C02 STA
Subject Name:	PROBABILITY THEORY AND RANDOM VARIABLES
No. of Credits:	4
No. of Contact Hours:	72
Hours per Week:	5
Name of the Teacher:	SNEHA P SEBASTIAN

2C02 STA: PROBABILITY THEORY AND RANDOM VARIABLES

Unit I: Probability Theory-I

Random experiments, sample space, events, classical definition and frequency approach to probability, laws of events, sigma field, axiomatic definition of probability, probability space, addition theorem (2 and 3 events), Boole's inequalities.

Unit II: Probability Theory-II

Conditional probability, multiplication theorem, independence of events, pair wise and mutual independence, Baye's theorem and its applications.

Unit III: Random Variables - Discrete and continuous random variables, probability mass function and probability density function, distribution function - definition and properties, transformation of random variables-discrete and continuous.

Unit IV: Bivariate Random Variables - Definitions, joint probability distributions, marginal and conditional distributions, independence of random variables, transformations of bivariate random variables.

Books for Study:

1. Gupta, S. C. & Kapoor, V. K. (1980). *Fundamentals of Mathematical Statistics*, Sultan Chand & Sons, New Delhi.

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	08-04-2021 To 10-04-2021	1	Unit I : Probability theory -I
		2	Random experiments
		3	Sample space
2	12-04-2021 To 17-04-2021	4	Events
		April 14	Vishu
		5	Classical definition of probability

No of Weeks	Dates	Session	Topic
		6	Frequency approach to probability
		7	Problems
3	19-04-2021 To 24-04-2021	8	Laws of events
		9	Sigma field
		10	Axiomatic definition of probability
		11	Problems
4	26-04-2021 To 01-05-2021	12	Limitations of Probability
		13	Probability Space
		14	Addition theorem (2 Events)
		15	Addition theorem (3 Events)
5	03-05-2021 To 08-05-2021	16	Boole's inequalities
		17	Problems
		18	CLASS TEST UNIT I
		19	Unit II: Probability theory -II
6	10-05-2021 To 15-05-2021	20	Conditional Probability
		21	Problems
		22	Multiplication theorem
		23	Problems
		May 13	EduI- Fither
7	17-05-2021 To 22-05-2021	24	Problems
		25	Independence of events
		26	Problems
		27	Pair wise independence
8	24-05-2021 To 29-05-2021	28	Problems
		29	Mutual independence
		30	Problems
		31	Baye's theorem
		32	Applications of Baye's theorem
9	31-05-2021 To 05-06-2021	33	CLASS TEST UNIT II
		34	Unit III : Random Variables
		35	Discrete random variables
		36	Problems
		37	Continuous random variables
10	07-06-2021 To 12-06-2021	38	Probability mass function
		39	Problems
		40	Probability density function
		41	Problems
		42	Problems

No of Weeks	Dates	Session	Topic
11	14-06-2021 To 19-06-2021	43	Distribution functions – Definitions
		44	Distribution function – Properties
		45	Problems
		46	Transformation of random variables – discrete and continuous
		47	Problems
12	21-06-2021 To 26-06-2021	48	CLASS TEST UNIT III
		49	Unit IV : Bivariate Random variables
		50	Definitions
		51	Joint probability distributions
		52	Problems
13	28-06-2021 To 03-07-2021	53	Problems
		54	Marginal distributions
		55	Problems
		56	Problems
		57	Conditional distributions
14	05-07-2021 To 10-07-2021	58	Problems
		59	Problems
		60	Independence of random variables
		61	Problems
		62	Problems
15	12-07-2021 To 17-07-2021	63	Transformation of bivariate random variables
		64	Problems
		65	Problems
		66	CLASS TEST UNIT IV
		67	Revision Unit I
16	19-07-2021 To 24-07-2021	68	Revision Unit II
		20 July	Bakrid - Holiday
		69	Revision Unit III
		70	Previous Question paper Discussion
		71	Previous Question paper Discussion
		72	Previous Question paper Discussion
			II Semester UG Internal Examination
17	26-07-2021 To 30-07-2021		II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
18	02-08-2021		Study Leave

Subject Code:	2C02CSC
Subject Name:	COMPLEMENTARY ELECTIVE COURSE II: PROGRAMMING IN C
No. of Credits:	2
No. of Contact Hours:	36
Hours per Week:	3
Name of the Teacher:	SINDHU PM

Unit I: Introduction to C, Character Set, Constants, Variables, Keywords, Instructions in C (Type Declaration, Arithmetic, Integer and Float Conversions), Operators in C (Arithmetic, Relational, Logical, Increment/Decrement, Assignment, Bitwise), Operator Precedence, Data Types (int, char, float, double, void), Compiling and Running C Programs in Linux. (7 Hrs)

Unit II: Inputs and Control Statements Formatted Console I/O Functions (printf, scanf), Escape Sequences, Unformatted Console I/O Functions (getch, putch, gets, puts), Decision control structures (Different forms of if statement), Conditional Operator, Case Control Structure (switch), Loop control structure (while, do-while, for), break and continue statements. (10 Hrs)

Unit III: Functions and Pointers User defined Functions (Advantages, Definition, Calling and Prototype), Library Functions, Pointers (Introduction to Pointers, Pointer Notation, Pointer Declaration and Initialization, Accessing Variable through Pointer), Call by Value and Call by Reference, Recursion (10 Hrs)

Unit IV: Arrays, Strings and Structures Arrays (Introduction, One Dimensional Arrays, Two Dimensional Arrays), Strings, Standard Library String Functions (strlen, strcpy, strcat, strcmp), Two-Dimensional Array of Characters. Storage Classes in C, Structures (Declaration, Initialization, Accessing Structure Elements), Array of Structures, Array Within Structure, Renaming Data Types with Typedef, C Preprocessors (#define, #include).

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	08-04-2021 To 10-04-2021	1	C Character Set, Constants,
		2	Variables, Keywords, Instructions in C (Type Declaration, Arithmetic, Integer and Float Conversions)
2	12-04-2021 To 17-04-2021	3	Operators in C (Arithmetic, Relational, Logical, Increment/Decrement, Assignment, Bitwise)
		April 14	Vishu
		4	Operator Precedence
3	19-04-2021 To 24-04-2021	5	Data Types (int, char, float, double, void)
		6	Compiling and Running C Programs in Linux.
4	26-04-2021 To 01-05-2021	7	MODULE 1 EXAM
		8	Formatted Console I/O Functions (printf, scanf)
5	03-05-2021 To 08-05-2021	9	Escape Sequences
		10	Unformatted Console I/O Functions (getch, putch, gets, puts)
6	10-05-2021 To 15-05-2021	11	Decision control structures (Different forms of if statement).
		12	Conditional Operator
		May 13	EduL- Fither
7	17-05-2021 To 22-05-2021	13	Case Control Structure (switch)
		14	Loop control structure (while, do-while, for)
8	24-05-2021 To 29-05-2021	15	Break and continue statements
		16	MODULE 2 EXAM
9	31-05-2021 To 05-06-2021	17	User defined Functions
		18	Advantages
10	07-06-2021 To 12-06-2021	19	Definition, Calling and Prototype
		20	Library Functions
11	14-06-2021 To 19-06-2021	21	Pointers -Introduction to Pointers, Pointer Notation
		22	Pointer Declaration and Initialization
12	21-06-2021 To	23	Accessing Variable through Pointer
		24	Call by Value

No of Weeks	Dates	Session	Topic
	26-06-2021		
13	28-06-2021 To 03-07-2021	25	Call by Reference
		26	Recursion
14	05-07-2021 To 10-07-2021	27	MODULE 3 EXAM
		28	Arrays (Introduction, One Dimensional Arrays, Two Dimensional Arrays),
		29	Strings, Standard Library String Functions (strlen, strcpy, strcat, strcmp),
15	12-07-2021 To 17-07-2021	30	Two-Dimensional Array of Characters.
		31	Storage Classes in C.
		32	Structures (Declaration, Initialization, Accessing Structure Elements)
		34	Array of Structures, Array Within Structure
16	19-07-2021 To 24-07-2021	35	Renaming Data Types with Typedef, C Preprocessors (#define, #include)
		20 July	Bakrid - Holiday
		36	MODULE 4 EXAM
			II Semester UG Internal Examination
17	26-07-2021 To 30-07-2021		II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
18	02-08-2021		Study Leave

Subject Code:	4C05CSC
Subject Name:	COMPLEMENTARY ELECTIVE COURSE V: LAB 1 – PROGRAMMING IN C
No. of Credits:	2
No. of Contact Hours:	36
Hours per Week:	3
Name of the Teacher:	SINDHU PM

Part I: C Programming

1. Write a program to receive an angle in degrees and check whether sum of the squares of sines and cosines of the angle is equal to 1. (Hint: Convert the angle in degrees to radians and apply mathematical functions).
2. Write a C program to check whether a year entered through the keyboard is leap year or not.
3. Write a program to reverse the digits of a positive integer number up to 5 digits. Display an error message if any other number is entered.
4. Write a program to enter numbers till the user wants. At the end, it should display the count of positive, negative and zeros entered.
5. Given the value of n, write a program to generate n Fibonacci numbers.
6. Create a menu driven calculator using switch statement. The menu should contain options for Addition, Subtraction, Multiplication, Division and Exit. The program should end only when the user enters the choice as Exit.
7. Create function which takes an integer value as parameter and returns 1 if the number is prime and 0 otherwise. Write a program which uses this function to generate first 100 prime numbers.
8. Write a program using recursion to find the factorial of a number.
9. Write a program to sort n numbers in ascending/descending order.
10. Write a program to check whether a string is palindrome or not.
11. Write a program to add two matrices. Display an error message if the matrices cannot be added due to incompatibility.
12. Create a structure student with members roll_no, name and year_of_admn. Write a program to read n students into an array of the structure student. Write a function which takes year as argument and displays the names of students who joined that year. Get an input year from the user and display the student list using this function. (Hint: Make student array and number of students as global variables).

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	08-04-2021 To 10-04-2021	1	Write a program to receive an angle in degrees and check whether sum of the squares of sines and cosines of the angle is equal to 1. (Hint: Convert the angle in degrees to radians and apply mathematical functions).
		2	Write a program to receive an angle in degrees and check whether sum of the squares of sines and cosines of the angle is equal to 1. (Hint: Convert the angle in degrees to radians and apply mathematical functions).
2	12-04-2021 To 17-04-2021	3	Write a program to receive an angle in degrees and check whether sum of the squares of sines and cosines of the angle is equal to 1. (Hint: Convert the angle in degrees to radians and apply mathematical functions).
		April 14	Vishu
		4	Write a C program to check whether a year entered through the keyboard is leap year or not.
3	19-04-2021 To 24-04-2021	5	Write a C program to check whether a year entered through the keyboard is leap year or not.
		6	Write a C program to check whether a year entered through the keyboard is leap year or not.
4	26-04-2021 To 01-05-2021	7	Write a program to reverse the digits of a positive integer number up to 5 digits. Display an error message if any other number is entered.
		8	Write a program to reverse the digits of a positive integer number up to 5 digits. Display an error message if any other number is entered.
5	03-05-2021 To 08-05-2021	9	Write a program to reverse the digits of a positive integer number up to 5 digits. Display an error message if any other number is entered.
		10	Write a program to enter numbers till the user wants. At the end, it should display the count of positive, negative and zeros entered.
6	10-05-2021 To 15-05-2021	11	Write a program to enter numbers till the user wants. At the end, it should display the count of positive, negative and zeros entered.
		12	Write a program to enter numbers till the user wants. At the end, it should display the count of positive, negative and zeros entered.
		May 13	EduL- Fithr
7	17-05-2021 To 22-05-2021	13	Given the value of n, write a program to generate n Fibonacci numbers.
		14	Given the value of n, write a program to generate n

No of Weeks	Dates	Session	Topic
			Fibonacci numbers.
8	24-05-2021 To 29-05-2021	15	Given the value of n, write a program to generate n Fibonacci numbers.
		16	Create a menu driven calculator using switch statement. The menu should contain options for Addition, Subtraction, Multiplication, Division and Exit. The program should end only when the user enters the choice as Exit.
9	31-05-2021 To 05-06-2021	17	Create a menu driven calculator using switch statement. The menu should contain options for Addition, Subtraction, Multiplication, Division and Exit. The program should end only when the user enters the choice as Exit.
		18	Create a menu driven calculator using switch statement. The menu should contain options for Addition, Subtraction, Multiplication, Division and Exit. The program should end only when the user enters the choice as Exit.
10	07-06-2021 To 12-06-2021	19	Create function which takes an integer value as parameter and returns 1 if the number is prime and 0 otherwise. Write a program which uses this function to generate first 100 prime numbers.
		20	Create function which takes an integer value as parameter and returns 1 if the number is prime and 0 otherwise. Write a program which uses this function to generate first 100 prime numbers.
11	14-06-2021 To 19-06-2021	21	Create function which takes an integer value as parameter and returns 1 if the number is prime and 0 otherwise. Write a program which uses this function to generate first 100 prime numbers.
		22	Write a program using recursion to find the factorial of a number
12	21-06-2021 To 26-06-2021	23	Write a program using recursion to find the factorial of a number
		24	Write a program using recursion to find the factorial of a number
13	28-06-2021 To 03-07-2021	25	Write a program to sort n numbers in ascending/descending order.
		26	Write a program to sort n numbers in ascending/descending order.
14	05-07-2021 To	27	Write a program to sort n numbers in ascending/descending order.

No of Weeks	Dates	Session	Topic
	10-07-2021	28	Write a program to check whether a string is palindrome or not.
		29	Write a program to check whether a string is palindrome or not.
15	12-07-2021 To 17-07-2021	30	Write a program to add two matrices. Display an error message if the matrices cannot be added due to incompatibility.
		31	Write a program to add two matrices. Display an error message if the matrices cannot be added due to incompatibility.
		32	Create a structure student with membersroll_no, name and year_of_admn. Write a program to read n students into an array of the structure student. Write a function which takes year as argument and displays the names of students who joined that year. Get an input year from the user and display the student list using this function. (Hint: Make student array and number of students as global variables).
		34	Create a structure student with membersroll_no, name and year_of_admn. Write a program to read n students into an array of the structure student. Write a function which takes year as argument and displays the names of students who joined that year. Get an input year from the user and display the student list using this function. (Hint: Make student array and number of students as global variables).
16	19-07-2021 To 24-07-2021	35	Create a structure student with membersroll_no, name and year_of_admn. Write a program to read n students into an array of the structure student. Write a function which takes year as argument and displays the names of students who joined that year. Get an input year from the user and display the student list using this function. (Hint: Make student array and number of students as global variables).
		20 July	Bakrid - Holiday
		36	MODEL PRACTICAL EXAM
			II Semester UG Internal Examination
17	26-07-2021 To 30-07-2021		II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
18	02-08-2021		Study Leave

Subject Code:	2A08MAL
Subject Name:	Kavithamatrukakal
No. of Credits:	4
No. of Contact Hours:	72
Hours per Week:	5
Name of the Teacher:	Rajisha CK

Course outcomes

1. ജീവിതാവസ്ഥകൾ, സങ്കീർണ്ണതകൾ, അനുഭൂതികൾ എന്നിവ ആവിഷ്കരിക്കുന്ന ഭാഷയുടെ സാമൂഹികരൂപമായ കവിത എന്ന സാഹിത്യ രൂപത്തെ സാമാന്യമായി പരിചയപ്പെടുകയും കാവ്യാസ്വാദന ശേഷി വളർത്തുകയും ചെയ്യുക.
2. മലയാളകവിതയുടെ വളർച്ചയിലും വികാസത്തിലും നിർണായകസ്വാധീനം ചെലുത്തിയ കവികളെയും കവിതമാതൃകകളെയും പരിചയപ്പെടുക.
3. പ്രാചീനം, നവോത്ഥാനം, ആധുനികം, ആധുനികാനന്തരം എന്നീ കാലഘട്ടങ്ങളിൽ മലയാളകവിതയിൽ ഉണ്ടായ രൂപഭാവ പരിണതികൾ പരിചയപ്പെടുത്തുക.
4. ഭാഷയുടെ സവിശേഷ പ്രയോഗത്തിലൂടെ കവിത സാധ്യമാക്കുന്ന സാമൂഹിക സാംസ്കാരിക പരിതോവസ്ഥ കളുടെ ആവിഷ്കരണവും അവയുടെ രാഷ്ട്രീയവും തിരിച്ചറിഞ്ഞ് നിരൂപണ ബുദ്ധിയാ വിശകലനം ചെയ്യാൻ പ്രാപ്തരാക്കുക.
5. സർഗാത്മകശേഷി വർദ്ധിപ്പിക്കുക.

Syllabus

യൂണിറ്റ് 1

1. ശുഭ്രപുണ്ഡരഗമനം (ആരണ്യകാണ്ഡം) - അദ്ധ്യായമായ ധനുർമാസം കിളിപ്പാട്ട് - എഴുത്തച്ഛൻ (ഇത്തരം സാമൂഹിക യോജ്ഞകളിലെ മുതൽ ദേവ ദേവനും അന്ത്യം ചെയ്തിരുന്ന അ രുളി നാൻ വരെ)
2. ശരത്കാല വർണന (കൃഷ്ണഗാഥ)- ചെറുശ്ശേരി (കാർമുകിൽ മാലകൾ പോയൊരു നേരത്ത് മുതൽ ആ നായ മാതിരി മാരെ നല്ലൊരു വരെ)

യൂണിറ്റ് 2

1. മാപ്പിളപ്പാട്ട് - (ബദരൻ മുനീർ ഹുസ്സൈൻ ജമാൽ)- മേജിൻ വേദൻ (കുറിഞ്ഞു ബന്ധപ്പെടുന്ന സന്ദർഭം മുതൽ അവൻ ഇവ പാത്ത ജ ബതാ യുദ്ധം)
2. വേദവിഹാരം (ആദ്യഭാഗം മനുഷ്യസൃഷ്ടി)- കെ വി സൈമൺ
3. കരുണ (ആദ്യ ഖണ്ഡം) കമാരനാശാൻ

യൂണിറ്റ് 3

1. ഓണപ്പാട്ടുകാർ - വൈലോപ്പിള്ളി ശ്രീധരമേനോൻ
2. കാലവർഷമേ നന്ദി - പി കുഞ്ഞിരാമൻ നായർ
3. അട്ടപ്പാടിയെ സ്വപ്നം കണ്ടു ഞാനിന്നും- സുഗതകുമാരി
4. ഒരു കാലമുണ്ടായിരുന്നു - അയ്യപ്പപ്പണിക്കർ

യൂണിറ്റ് 4

1. മാൻമാർക്കു കൂട - പി പി രാമചന്ദ്രൻ
2. കട ചൂടി മറഞ്ഞവൾ--എസ് ജോസഫ്
3. പുകയില്ലാത്ത അടുപ്പുകളുടെ ഉപമ - വിരാൻകുട്ടി
4. രാത്രിമരം - വി എം ഗിриജ
5. പട്ടിജനം -രമ്യ സഞ്ജീവ്

No of Weeks	Dates	Session	Topic
1	08-04-2021 To 10-04-2021	1	കവിതാസാഹിത്യ ചരിത്രം
		2	പ്രാചീന കവിതകളുടെ പ്രത്യേകതകൾ
		3	എഴുത്തച്ഛനും മലയാളഭാഷയും
2	12-04-2021 To 17-04-2021	4	രാമായണകഥ സാമാന്യമായ പരിചയപ്പെടുത്തൽ
		April 14	Vishu
		5	ശുഭരൂപണവാഗമനം വിശകലനം
		6	ശുഭരൂപണവാഗമനം വിശകലനം
3	19-04-2021 To 24-04-2021	7	ശുഭരൂപണവാഗമനം വിശകലനം
		8	കവിതാ നിരൂപണം നടത്തുന്നതെങ്ങനെ എന്ന് ചർച്ച ചെയ്യൽ
		9	ക്ലാസ്സ് പരീക്ഷ
		10	കൃഷ്ണഗാഥ പരിചയപ്പെടുത്തൽ
		11	ചെറുശ്ശേരിയും ഭാഷയും
4	26-04-2021 To 01-05-2021	12	ശരത്കാല വർണ്ണന വിശകലനം
		13	ശരത്കാല വർണ്ണന വിശകലനം
		14	ശരത്കാല വർണ്ണന വിശകലനം
		15	ശരത്കാല വർണ്ണന വിശകലനം
		16	ക്ലാസ്സ് പരീക്ഷ
		17	വേദവിഹാരം വിശകലനം
5	03-05-2021 To 08-05-2021	18	മനുഷ്യ സൃഷ്ടി എന്ന കവിതയുടെ വിശകലനം
		19	കുമാരനാശാനെ പരിചയപ്പെടുത്തൽ
		20	കരുണ എന്ന കൃതിയുടെ വിശകലനം
		21	പാഠഭാഗത്തിലെ ആശയ വിശകലനം
		22	പാഠ ഭാഗത്തിലെ ആശയ വിശകലനം
6	10-05-2021 To	23	ക്ലാസ്സ് പരീക്ഷ
		24	മാപ്പിളപ്പാട്ട് സാമാന്യമായ പരിചയപ്പെടുത്തൽ

	15-05-2021	25	മോയിൻകുട്ടി വൈദ്യർ എഴുത്തുകാരനെ പരിചയപ്പെടു
		May 13	Edul- Fithir
		26	ബദ്റുൽ മുനീർ ഹുസ്സുൽ ജമാൽ വിശകലനം
7	17-05-2021 To 22-05-2021	27	ബദ്റുൽ മുനീർ ഹുസ്സുൽ ജമാൽ വിശകലനം
		28	വൈലോപ്പിള്ളി ശ്രീധരമേനോൻ എന്ന കവിയെ പരിചയപ്പെടുത്തൽ
		29	ഓണപ്പാട്ടുകാർ എന്ന കവിതയുടെ വിശകലനം
		30	ഓണ പാട്ടുകാർ എന്ന കവിതയുടെ വിശകലനം
		31	പി കഞ്ഞിരാമൻ നായർ എന്ന കവിയെ പരിചയപ്പെടുത്ത
8	24-05-2021 To 29-05-2021	32	കാലവർഷമേ നന്ദി എന്ന കവിതയുടെ വിശകലനം
		33	കാലവർഷമേ നന്ദി എന്ന കവിതയുടെ വിശകലനം
		34	സുഗതകുമാരി എന്ന കവയത്രിയെ പരിചയപ്പെടുത്തൽ
		35	പരിസ്ഥിതി കവിതകളുടെ പ്രത്യേകതകൾ
		36	അട്ടപ്പാടിയെ സ്വപ്നം കണ്ടു ഞാനിന്നും എന്ന കവിതയുടെ വിശകലനം
9	31-05-2021 To 05-06-2021	37	അട്ടപ്പാടിയെ സ്വപ്നം കണ്ടു ഞാനിന്നും എന്ന കവിതയുടെ വിശകലനം
		38	അയ്യപ്പപ്പണിക്കർ എന്ന കവിയെ പരിചയപ്പെടുത്തൽ
		39	ആധുനിക കവിതയുടെ പ്രത്യേകതകൾ ചർച്ച ചെയ്തൽ
		40	ഒരു കാലമുണ്ടായിരുന്നു എന്ന കവിതയുടെ വിശകലനം
		41	ഒരു കാലമുണ്ടായിരുന്നു എന്ന കവിതയുടെ വിശകലനം
10	07-06-2021 To 12-06-2021	42	യൂണിറ്റ് പരീക്ഷ
		43	പി പി രാമചന്ദ്രൻ കവിയെ പരിചയപ്പെടുത്തൽ
		44	ബദ്റുൽ മുനീർ ഹുസ്സുൽ ജമാൽ വിശകലനം
		45	മാൻമാർക്ക് കൂട എന്ന കവിത യുടെ വിശകലനം
		46	എസ്ജോസഫ്എന്നകവിയെ പരിചയപ്പെടുത്തൽ
11	14-06-2021 To 19-06-2021	47	കട ചൂടി മറഞ്ഞവൾ എന്ന കവിതയുടെ വിശകലനം
		48	കടച്ചൂടിമറഞ്ഞവൾഎന്നകവിതയുടെ വിശകലനം
		49	വീരാൻകുട്ടി എന്ന കവിയെ പരിചയപ്പെടുത്തൽ
		50	പുകയില്ലാത്ത അടുപ്പുകളുടെ ഉപമ എന്ന കവിതയുടെ വിശകലനം
		51	പുകയില്ലാത്ത അടുപ്പുകളുടെ ഉപമ എന്ന കവിതയുടെ വിശകലനം
12	21-06-2021 To 26-06-2021	52	വിഎംഗിരിജഎന്നകവയത്രിയെ പരിചയപ്പെടുത്തൽ
		53	രാത്രിമരം എന്ന കവിതയുടെ വിശകലനം
		54	രാത്രിമരം എന്ന കവിതയുടെ വിശകലനം
		55	രമ്യസഞ്ജീവ്എന്നകവിയത്രിയെ പരിചയപ്പെടുത്തൽ
		56	പട്ടിജനം എന്ന കവിതയുടെ വിശകലനം
13	28-06-2021 To	57	പട്ടിജനം എന്ന കവിയുടെ വിശകലനം
		58	ഉത്തരാധുനിക കവിതയുടെ പ്രത്യേകതകൾ ചർച്ച ചെയ്തൽ
		59	ദളിത് സാഹിത്യം ചർച്ച ചെയ്തൽ

	03-07-2021	60	സ്കീപക്ഷരചനകളുടെപ്രത്യേകത കൾ ചർച്ചചെയ്യാൻ
		61	യൂണിറ്റ് പരീക്ഷ
14	05-07-2021 To 10-07-2021	62	യൂണിറ്റ് ഒന്ന് റിവിഷൻ
		63	യൂണിറ്റ് 2 റിവിഷൻ
		64	യൂണിറ്റ് 3 റിവിഷൻ
		65	യൂണിറ്റ് 4 റിവിഷൻ
		66	യൂണിറ്റ് 5 റിവിഷൻ
15	12-07-2021 To 17-07-2021	67	മാതൃകാ ചോദ്യോത്തരങ്ങൾ
		68	മുൻകാല ചോദ്യപേപ്പറുകളുടെ വിശകലനം
		69	പരീക്ഷ എഴുതുന്നതിനുള്ള തയ്യാറെടുപ്പ്
		70	റിവിഷൻ
		71	റിവിഷൻ
16	19-07-2021 To 24-07-2021	72	റിവിഷൻ
		20 July	Bakrid - Holiday
			Study leave
			Study leave
			Study leave
			II Semester UG Internal Examination
17	26-07-2021 To 30-07-2021		II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
18	02-08-2021		Study Leave

Subject Code:	2A08HIN
Subject Name:	RACHANA THATHA PRAYOG
No. of Credits:	4
No. of Contact Hours:	72
Hours per Week:	4
Name of the Teacher:	JAINY N GEORGE

COURSE OUTCOME

CO1: Understanding Fundamental principles of Hindi Grammar.

CO2 : Understanding the correct usage of hindi grammar.

CO3 : Developing significant increase in word knowledge.

CO4: Develop communicative skill in Hindi.

Unit I : संज्ञा - संज्ञा के भेद - सर्वनाम- सर्वनाम के भेद - विशेषण - विशेषण के भेद क्रिया - क्रिया के भेद - प्रेरणार्थक क्रिया - संयुक्त क्रिया - सहायक क्रियाएँ (सक , चुक , लग , चाहिए , पड़) -लिंग - लिंग की पहचान और लिंग के नियम - वचन -भेद - नियम - कारक - भेद - सर्वनाम की कारकीय रूपरचना - क्रिया विशेषण भेद - संबंध बोधक - समुच्चय बोधक - विस्मयादि बोधक ।

(44 Hrs)

Unit II : पत्र लेखन - पारिवारिक पत्र - आवेदन पत्र - शिकायती पत्र - अनुवाद - अंग्रेजी से हिन्दी में । (10 Hrs)

Unit III : संक्षेपण के अभ्यास - संकेत बिन्दुओं के आधार पर कहानी लेखन । (10 Hrs)

Unit IV : निबंध लेखन

1. यात्रा जिसे मैं भुला नहीं पाता ।
2. समय का महत्व
3. इंटरनेट की दुनिया ।
4. प्रदूषण की समस्या ।
5. भ्रष्टाचार : एक समस्या ।
6. सांप्रदायिकता : एक अभिशाप ।
7. आरक्षण : कितना उचित या कितना अनुचित ।
8. भारत में आतंकवाद ।
9. विद्यार्थी और अनुशासन ।
10. खेल और व्यायाम ।

(8 Hrs)

Books for Reference :

1. सुबोध हिन्दी व्याकरण तथा रचना - श्रीकृष्ण पांडे , लोकमंगल प्रकाशन , B - 32 कैलास कालोनी , ईस्ट ज्योति नगर के पीछे , शाहदरा , दिल्ली 110093 .
2. व्यावहारिक हिन्दी व्याकरण अनुवाद तथा रचना डॉ.एच.परमेश्वरन , राधाकृष्ण प्रकाशन , दरियागंज , नई दिल्ली ।
3. व्यावहारिक हिन्दी व्याकरण तथा रचना - हरदेव बाहरी , लोकभारती प्रकाशन , इलाहाबाद ।

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	08-04-2021 To 10-04-2021	1	संज्ञा
		2	संज्ञा
		3	संज्ञा
2	12-04-2021 To 17-04-2021	4	सर्वनाम
		April 14	Vishu
		5	सर्वनाम
		6	सर्वनाम
		7	विशेषण
3	19-04-2021 To 24-04-2021	8	विशेषण
		9	विशेषण
		10	विशेषण
		11	कारक
4	26-04-2021 To 01-05-2021	12	कारक
		13	कारक
		14	कारक
		15	कारक
5	03-05-2021 To 08-05-2021	16	कारक
		17	कारक
		18	कारक
		19	क्रिया
6	10-05-2021 To 15-05-2021	20	क्रिया
		21	क्रिया
		22	क्रिया
		23	क्रिया
		May 13	Edul- Fithr
7	17-05-2021 To 22-05-2021	24	क्रिया
		25	संयुक्त क्रिया

		26	संयुक्त क्रिया
		27	प्रेरणार्थक क्रिया
8	24-05-2021 To 29-05-2021	28	प्रेरणार्थक क्रिया
		29	प्रेरणार्थक क्रिया
		30	प्रेरणार्थक क्रिया
		31	सहायक k
		32	सहायक k
9	31-05-2021 To 05-06-2021	33	सहायक k
		34	सहायक k
		35	कक्षा परीक्षा
		36	लिंग
		37	लिंग
10	07-06-2021 To 12-06-2021	38	लिंग
		39	लिंग
		40	लिंग
		41	वचन
		42	वचन
11	14-06-2021 To 19-06-2021	43	क्रियाविशेषण
		44	क्रियाविशेषण
		45	क्रियाविशेषण
		46	क्रियाविशेषण
		47	संबंध बोधक
12	21-06-2021 To 26-06-2021	48	समुच्चयबोधक
		49	विस्मयादिबोधक
		50	पत्र लेखन
		51	पत्र लेखन
		52	पत्र लेखन
13	28-06-2021 To 03-07-2021	53	पत्र लेखन
		54	पत्र लेखन
		55	पत्र लेखन
		56	अनुवाद

		57	अनुवाद
14	05-07-2021 To 10-07-2021	58	अनुवाद
		59	अनुवाद
		60	अनुवाद
		61	अनुवाद
		62	कक्षा परीक्षा
15	12-07-2021 To 17-07-2021	63	संक्षेपण
		64	संक्षेपण
		65	कहानी लेखन
		66	कहानी लेखन
		67	निबंध
16	19-07-2021 To 24-07-2021	68	निबंध
		20 July	Bakrid - Holiday
		69	निबंध
		70	निबंध
		71	निबंध
		72	रिविशन
			II Semester UG Internal Examination
17	26-07-2021 To 30-07-2021		II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
			II Semester UG Internal Examination
18	02-08-2021		Study Leave