

DON BOSCO ARTS & SCIENCE COLLEGE **ANGADIKADAVU**

(Affiliated to Kannur University Approved by Government of Kerala)

ANGADIKADAVU P.O., IRITTY, KANNUR – 670706



COURSE PLAN

BCA

(2021 - 24)

SEMESTER - I

ACADEMIC YEAR 2021 -22

I Semester (Department Name) (2021 - 24)			
Sl. No.	Name of Subjects with Code	Name of the Teacher	Duty Hours Per Week
1.	1A01EG: Communicative English 1	Fr. Edwin	5
2.	1A02ENG: Readings on Kerala	Twinkle Thomas	4
3.	1A01-2HIN: Naya Sahithya	Jainy N George	5
4.	1A07-MAL: Sahithya Ganangal	Linnet Maria K	5
5.	1A11BCA : Informatics For Computer Applications	Fincy Cyriac	3
6	1B01BCA : Programming In C	Sindhu P M	2
7	2B04BCA Lab I: Programming In C	Sindhu P M	2
8	1C01 MAT-BCA: Mathematics for BCA I	Najumunnisa.K	4
	Name of Class In-charge	Fincy Cyriac	

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	1A11BCA : Informatics For Computer Applications	1A02ENG: Readings on Kerala	1A01EG: Communicative English 1	1B01BCA : Programming In C	1A01-2HIN: Naya Sahithya Or 1A07-MAL: Sahithya Ganangal
2	2B04BCA Lab I: Programming In C	1C01 MAT-BCA: Mathematics for BCA I	1A01EG: Communicative English 1	1A01-2HIN: Naya Sahithya Or 1A07-MAL: Sahithya Ganangal	1A02ENG: Readings on Kerala
3	1A01-2HIN: Naya Sahithya Or 1A07-MAL: Sahithya Ganangal	1A02ENG: Readings on Kerala	1A01EG: Communicative English 1	1A11BCA : Informatics For Computer Applications	1C01 MAT-BCA: Mathematics for BCA I

4	1B01BCA : Programming In C	1C01 MAT-BCA: Mathematics for BCA I	1A01EG: Communicative English 1	1A11BCA : Informatics For Computer Applications	1A01-2HIN: Naya Sahithya Or 1A07-MAL: Sahithya Ganangal
5	1A02ENG: Readings on Kerala	1A01-2HIN: Naya Sahithya Or 1A07-MAL: Sahithya Ganangal	1A01EG: Communicative English 1	1C01 MAT-BCA: Mathematics for BCA I	2B04BCA Lab I: Programming In C
6	1B01BCA : Programming In C	1C01 MAT-BCA: Mathematics for BCA I	1A01EG: Communicative English 1	1A01-2HIN: Naya Sahithya Or 1A07-MAL: Sahithya Ganangal	1A11BCA : Informatics For Computer Applications

Subject Code:	1A01EG
Subject Name:	Communicative English 1
No. of Credits:	4
No. of Contact Hours:	90
Hours per Week:	5
Name of the Teacher:	Fr.Edwin

SYLLABUS

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

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

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	06-10-2021 To 09-10-2021	1	Introduction to the paper
		2	Articles
		3	Articles
		09 October	Second Saturday
2	11-10-2021 To 16-10-2021	4	Articles
		5	Articles- Excercises
		6	Articles – Test Paper
		14 October	Mahanavami
		15 October	Vijayadashami
		7	Modals
3	18-10-2021 To 23-10-2021	8	Modals
		19 October	Nabidinam
		9	Tenses
		10	Tenses
		11	Tenses
		12	Tenses
4	25-10-2021 To 30-10-2021	13	Tenses
		14	Tenses
		15	Tenses
		16	Test Paper on Tenses& Modals
		17	Voices
		18	Voices
5	01-11-2021 To 06-11-2021	19	Voices
		20	Voices
		21	Voices
		04 November	Diwali
		22	Subject Verb Agreement
		23	Subject Verb Agreement
6	08-11-2021 To 13-11-2021	24	Subject Verb Agreement
		25	Subject Verb Agreement
		26	Reported Speech
		27	Reported Speech
		28	Reported Speech
		13 November	Second Saturday
7	15-11-2021 To 20-11-2021	29	Reported Speech
		30	Question Tags
		31	Question Tags
		32	Question Tags

		33	Test Paper on Question Tags, Reported Speech, Subject Verb agreement and Voice
		34	Types of words
8	22-11-2021 To 27-11-2021	35	Phrasal verbs and Idiomatic expressions
		36	Writing paragraphs
		37	Writing paragraphs
		38	Taking and making notes
		39	Taking and making notes
		40	Essay and Academic Writing
9	29-11-2021 To 04-12-2021	41	Essay and Academic Writing
		42	Essay and Academic Writing
		43	Writing Letters
		44	Writing Letters
		45	Writing Letters
		46	Writing Letters
10	06-12-2021 To 11-12-2021	47	Writing Letters
		48	Resumes and Cover Letters
		49	Resumes and Cover Letters
		50	Resumes and Cover Letters
		51	Test Paper on Writing
		11 December	Second Saturday
11	13-12-2021 To 18-12-2021	52	Communication
		53	Phonemes in English
		54	Phonemes in English
		55	Syllables and word stress
		56	Syllables and word stress
		57	NEWS and weather forecast
12	20-12-2021 To 25-12-2021	58	Listening to instructions
		59	Listening to lectures
		60	Listening to Talks
		61	Greetings and Introductions
		62	Greetings and Introductions
		24 December	CHRISTMASS VACATION
13	27-12-2021 To 01-01-2022	25 December	CHRISTMASS VACATION
		27 December	CHRISTMASS VACATION
		28 December	CHRISTMASS VACATION
		29 December	CHRISTMASS VACATION
		30 December	CHRISTMASS VACATION
		31 December	CHRISTMASS VACATION
14	03-01-2022 To	01 January	CHRISTMASS VACATION
		63	I Internal Examination
		64	I Internal Examination
		65	I Internal Examination

	08-01-2022	66	Internal Exam Question Paper Discussion
		67	Small Conversations
		68	Talking on Telephone
15	10-01-2022 To 15-01-2022	69	Making Enquiries
		70	Making Suggestions
		71	Gratitude and apologising
		72	Complaining
		73	READIG- Letters and Profiles
		74	Reading Ads
16	17-01-2022 To 22-01-2022	75	Reading News Report
		76	Reading Charts,graphs,and tables
		77	Reading online content
		78	Revision
		79	Revision
		80	Revision
17	24-01-2022 To 29-01-2022	81	Test Paper Module 1&2
		82	Revision
		26 January	Republic Day
		83	Revision
		84	Test Paper Module 3
		85	Revision
18	31-01-2022 To 05-02-2022	86	II Internal Examination
		87	II Internal Examination
		88	II Internal Examination
		89	II Internal Examination
		90	II Internal Examination

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

SYLLABUS

MODULE 1

1. “Conversation”:Sree Narayana Guru
2. “Curing Caste”:Sahodaran Ayyappan
3. Excerpts from “Eri”: Pradeepan Pambirikkunnu
4. Excerpts from Kelu: N. Sasidharan, E.P.Rajagopalan
5. Excerpts from “Parting from the Path of Life”: Cherukad Govinda Pisharodi

MODULE 2

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

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	06-10-2021 To 09-10-2021	1	“Conversation” : Sree Narayana Guru
		2	“Conversation” : Sree Narayana Guru
		3	“Conversation” : Sree Narayana Guru
		4	“Conversation” : Sree Narayana Guru
		09 October	Second Saturday
2	11-10-2021 To 16-10-2021	5	“Conversation” : Sree Narayana Guru
		6	Textbook Q & A Discussion
		7	Class Test
		14 October	Mahanavami

		15 October	Vijayadashami
		8	Excerpts from “Eri” : Pradeepan pambirikunnu
3	18-10-2021 To 23-10-2021	9	Excerpts from “Eri” : Pradeepan pambirikunnu
		19 October	Nabidinam
		10	Excerpts from “Eri” : Pradeepan pambirikunnu
		11	Excerpts from “Eri” : Pradeepan pambirikunnu
		12	Textbook Q & A Discussion
4	25-10-2021 To 30-10-2021	13	Class Test
		14	Excerpts from “ Kelu” : N. Sasidharan, E.P.Rajagopalan
		15	Excerpts from “ Kelu” : N. Sasidharan, E.P.Rajagopalan
		16	Excerpts from “ Kelu” : N. Sasidharan, E.P.Rajagopalan
		17	Excerpts from “ Kelu” : N. Sasidharan, E.P.Rajagopalan
5	01-11-2021 To 06-11-2021	18	Textbook Q & A Discussion
		19	Class Test
		20	Excerpts from “Parting from the Path of Life” : Cherukad Govinda Pisharodi
		04 November	Diwali
		21	Excerpts from “Parting from the Path of Life” : Cherukad Govinda Pisharodi
6	08-11-2021 To 13-11-2021	22	Excerpts from “Parting from the Path of Life” : Cherukad Govinda Pisharodi
		23	Excerpts from “Parting from the Path of Life” : Cherukad Govinda Pisharodi
		24	Textbook Q & A Discussion
		25	Class Test
		13 November	Second Saturday
7	15-11-2021 To 20-11-2021	26	“About My Race: A Song” : Poykayil Appachan
		27	“About My Race: A Song”: Poykayil Appachan
		28	Textbook Q & A Discussion
		29	Class Test
		30	“Kuttippuram Palam” : Idasseri
8	22-11-2021 To 27-11-2021	31	“Kuttippuram Palam” : Idasseri
		32	“Kuttippuram Palam” : Idasseri
		33	“Kuttippuram Palam” : Idasseri
		34	Textbook Q & A Discussion
9	29-11-2021 To 04-12-2021	35	Class Test
		36	“ Courageous Act” : Anasuya Menon
		37	“ Courageous Act” : Anasuya Menon
		38	“ Courageous Act” : Anasuya Menon
		39	“ Courageous Act” : Anasuya Menon
10	06-12-2021 To 11-12-2021	40	“ Courageous Act” : Anasuya Menon
		41	Textbook Q & A Discussion
		42	Class Test
		43	“Vaikom Satyagraha” : K.N. Panikkar

		11 December	Second Saturday
11	13-12-2021 To 18-12-2021	44	“Vaikom Satyagraha” : K.N. Panikkar
		45	“Vaikom Satyagraha” : K.N. Panikkar
		46	“Vaikom Satyagraha” : K.N. Panikkar
		47	“Vaikom Satyagraha” : K.N. Panikkar
12	20-12-2021 To 25-12-2021	48	Textbook Q & A Discussion
		49	Class Test
		50	“Curing Caste” : Sahodaran Ayyappan
		51	“Curing Caste” : Sahodaran Ayyappan
		24 December	CHRISTMASS VACATION
		25 December	CHRISTMASS VACATION
13	27-12-2021 To 01-01-2022	27 December	CHRISTMASS VACATION
		28 December	CHRISTMASS VACATION
		29 December	CHRISTMASS VACATION
		30 December	CHRISTMASS VACATION
		31 December	CHRISTMASS VACATION
		01 January	CHRISTMASS VACATION
14	03-01-2022 To 08-01-2022	52	I Internal Examination
		53	I Internal Examination
		54	I Internal Examination
		55	“Curing Caste” : Sahodaran Ayyappan
15	10-01-2022 To 15-01-2022	56	“Curing Caste” : Sahodaran Ayyappan
		57	Textbook Q & A Discussion
		58	Class Test
		59	“Voice” : Suresh Menon
16	17-01-2022 To 22-01-2022	60	“Voice” : Suresh Menon
		61	“Voice” : Suresh Menon
		62	“Voice” : Suresh Menon
		63	Textbook Q & A Discussion
17	24-01-2022 To 29-01-2022	64	Class Test
		65	Revision : Module I
		26 January	Republic Day
		66	Revision : Module II
		67	Revision Test
18	31-01-2022 To 05-02-2022	68	II Internal Examination
		69	II Internal Examination
		70	II Internal Examination
		71	II Internal Examination
		72	II Internal Examination

Subject Code:	1A01-2HIN
Subject Name:	Common course -Naya Sahithya
No. of Credits:	4
No. of Contact Hours:	90
Hours per Week:	5
Name of the Teacher:	Jainy N George

SYLLABUS

Unit I :

1. □□□□□□ □□ □ □□ □□□ □□ □□ - □□□□□□ □□□□ □□□□□
2. □□□ □□□□□□□ □□□ □□ □□□□ □□□ - □□□□ □□□

Unit II :

1. □□ □□□□□□ □□ □□ □□□□ - □□□□□ □□□□□□□ □□□□□□□□
2. □□ □□□ □□□□□□□□□ □□□□□ - □□□□□□ □□□□ □□□□□□□□

Unit III:

1. □□□□□ - □□□□□□
2. □□ □□ □□□ □□□ □□□ □□□□□ - □□□□□□□□□□ □□□□□□□
3. □□□□ □□□□ □□□□ □□□□□ □□□ □□□□□ - □□□□□□□□ □□□□□□□□

Unit IV:

1. □□□□ □□□ □□□□ - □□□□□□□□ □□□□
2. □□□□□□ - □□□□□□ □□□□□□□

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	06-10-2021 To 09-10-2021	1	□□□□□ □□□□□□□ □□ □□□□□□
		2	□□□□□ □□ □□□□ □□□□□□
		3	□□□□ □□□□□ - □□□□□□□ □□□□ □□□□□
		09 October	Second Saturday
2	11-10-2021	4	□□□□□□□ □□ □ □□ □□□□ □□ □□

	To 16-10-2021	5	□□□□□□□□ □□ □ □□ □□□□ □□ □□
		6	□□□□□□□□ □□ □ □□ □□□□ □□ □□
		14 October	Mahanavami
		15 October	Vijayadashami
		7	□□□□□□□□ □□ □ □□ □□□□ □□ □□
3	18-10-2021 To 23-10-2021	8	□□□□□□□□ □□ □ □□ □□□□ □□ □□
		19 October	Nabidinam
		9	□□□□□□□□ □□ □ □□ □□□□ □□ □□
		10	□□□□□□□□ □□ □ □□ □□□□ □□ □□
		11	□□□□□□□□ □□ □ □□ □□□□ □□ □□
		12	□□□□ □□□□□ - □□□□ □□□□
4	25-10-2021 To 30-10-2021	13	□□□□ □□□□□□□□ □□□□ □□ □□□□ □□□□
		14	□□□□ □□□□□□□□ □□□□ □□ □□□□ □□□□
		15	□□□□ □□□□□□□□ □□□□ □□ □□□□ □□□□
		16	□□□□ □□□□□□□□ □□□□ □□ □□□□ □□□□
		17	□□□□ □□□□□□□□ □□□□ □□ □□□□ □□□□
		18	□□□□ □□□□□□□□ □□□□ □□ □□□□ □□□□
5	01-11-2021 To 06-11-2021	19	□□□□ □□□□□□□□ □□□□ □□ □□□□ □□□□
		20	□□□□ □□□□□□□□ □□□□ □□ □□□□ □□□□
		21	□□□□ □□□□□□□□ □□□□ □□ □□□□ □□□□
		04 November	Diwali
		22	□□□□ □□□□□□□□ □□□□ □□ □□□□ □□□□
		23	□□□□ □□□□□□□□ □□□□ □□ □□□□ □□□□
6	08-11-2021 To 13-11-2021	24	□□□□□□ □□□□□□□□
		25	□□□□□ □□□□□□ - □□□□□□ □□□□□□ □□□□□□□□
		26	□□ □□□□□□ □□ □□ □□□□

		27	□□ □□□□□□ □□ □□ □□□□
		28	□□ □□□□□□ □□ □□ □□□□
		13 November	Second Saturday
7	15-11-2021 To 20-11-2021	29	□□ □□□□□□ □□ □□ □□□□
		30	□□ □□□□□□ □□ □□ □□□□
		31	□□ □□□□□□ □□ □□ □□□□
		32	□□ □□□□□□ □□ □□ □□□□
		33	□□ □□□□□□ □□ □□ □□□□
		34	□□ □□□□□□ □□ □□ □□□□
8	22-11-2021 To 27-11-2021	35	□□ □□□□□□ □□ □□ □□□□
		36	□□ □□□□□□ □□ □□ □□□□
		37	□□□□ □□□□□ - □□□□□□□□□□ □□□□□□□□
		38	□□ □□□ □□□□□□□□ □□□□□
		39	□□ □□□ □□□□□□□□ □□□□□
		40	□□ □□□ □□□□□□□□ □□□□□
9	29-11-2021 To 04-12-2021	41	□□ □□□ □□□□□□□□ □□□□□
		42	□□ □□□ □□□□□□□□ □□□□□
		43	□□ □□□ □□□□□□□□ □□□□□
		44	□□ □□□ □□□□□□□□ □□□□□
		45	□□ □□□ □□□□□□□□ □□□□□
		46	□□ □□□ □□□□□□□□ □□□□□
10	06-12-2021 To 11-12-2021	47	□□ □□□ □□□□□□□□ □□□□□
		48	□□ □□□ □□□□□□□□ □□□□□
		49	□□ □□□ □□□□□□□□ □□□□□
		50	□□ □□□ □□□□□□□□ □□□□□
		51	□□□□□ □□□□□□□

		11 December	Second Saturday
11	13-12-2021 To 18-12-2021	52	□□□ □□□□□- □□□□□□
		53	□□□□
		54	□□□□
		55	□□□□
		56	□□□□
		57	□□□□
12	20-12-2021 To 25-12-2021	58	□□□□
		59	□□□□
		60	□□□□
		61	□□□ □□□□□ - □□□□□□□□□ □□□□□□□
		62	□□□ □□ □□□□ □□□ □□□□ □□□□□
		24 December	CHRISTMASS VACATION
		25 December	CHRISTMASS VACATION
13	27-12-2021 To 01-01-2022	27 December	CHRISTMASS VACATION
		28 December	CHRISTMASS VACATION
		29 December	CHRISTMASS VACATION
		30 December	CHRISTMASS VACATION
		31 December	CHRISTMASS VACATION
		01 January	CHRISTMASS VACATION
14	03-01-2022 To 08-01-2022	63	I Internal Examination
		64	I Internal Examination
		65	I Internal Examination
		66	□□□ □□ □□□□ □□□ □□□□ □□□□□
		67	□□□ □□ □□□□ □□□ □□□□ □□□□□
		68	□□□ □□ □□□□ □□□ □□□□ □□□□□
15	10-01-2022	69	□□□ □□ □□□□ □□□ □□□□ □□□□□

	To 15-01-2022	70	□□□□ □□ □□□□ □□□□ □□□□□□
		71	□□□□ □□□□□□ - □□□□□□□□ □□□□□□□□
		72	□□□□□ □□□□□ □□□□□ □□□□□ □□□□□ □□□□□□□□
		73	□□□□□ □□□□□ □□□□□ □□□□□□ □□□□□ □□□□□□□□
		74	□□□□□ □□□□□ □□□□□ □□□□□□ □□□□□ □□□□□□□□
16	17-01-2022 To 22-01-2022	75	□□□□□ □□□□□ □□□□□ □□□□□□ □□□□□ □□□□□□□□
		76	□□□□□ □□□□□ □□□□□ □□□□□□ □□□□□ □□□□□□□□
		77	□□□□□ □□□□□ □□□□□ □□□□□□ □□□□□ □□□□□□□□
		78	□□□□□□ □□□□□□□□
		79	□□□□ □□□□□□ - □□□□□□□□□ □□□□□
		80	□□□□□ □□□□□ □□□□□□
17	24-01-2022 To 29-01-2022	81	□□□□□ □□□□□ □□□□□□
		82	□□□□□ □□□□□ □□□□□□
		26 January	Republic Day
		83	□□□□□□□□□ □□□□□□ - □□□□□□□□ □□□□□□□□□
		84	□□□□□□□□
		85	□□□□□□□□
18	31-01-2022 To 05-02-2022	86	II Internal Examination
		87	II Internal Examination
		88	II Internal Examination
		89	II Internal Examination
		90	II Internal Examination

Subject Code:	1A07-MAL
Subject Name:	□□□□□□ □□□□□□
No. of Credits:	4
No. of Contact Hours:	90
Hours per Week:	5
Name of the Teacher:	Linnet Maria K

SYLLABUS

□□□□□□□□ 1

□□□□

- □□□□□ □□□□□□- □□ □□□□□□□□□□□□□□
- □□□□□□ □□□□□□□□□□□□□□ - □□□□□□□□ □□□□□□□□ □□□□
- □□□□□□ -□.□□. □□ □□□□□□□□
- □□□□□□□□□□□□ - □□□□□□□□□□□□□
- □□□□□□□□□□□□□□- □□□□. □□

□□□□□□□□ 2

□□□□□□ /□□□□□□

- □□□□□□□□□□ - □□.□□□□□□□□
- □□□□□□□□□□□□ - □□.□□.□□□□□□□□

□□□□□□□□ 3

□□□□

- □□□□ □□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ - □□□□□ □□□□□□□□

□□□□□□□□ 4

□□□□

- □□□□□□□□ □□□□□□□□□□□□□□□□□□□□ - □□□□□□□□□□□□□□
- □□□□□ □□□□□□□□□□ □□□□□□□□□□□□□□ -□□ □ □□□□□□□

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	06-10-2021 To 09-10-2021	1	□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□
		2	□□□□□□□□ □□□□□□□□ □□□□□□□□□□
		3	□□ □□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□
		09 October	Second Saturday
2	11-10-2021	4	□□□□□□□□□□□□ □□□□□□□□□□ □□□□

	To 16-10-2021	5	□□□□□□□□□□ □□□□ - □□□□□□
		6	□□□□□□□□□□□□ □□□□□□□□□□
		14 October	Mahanavami
		15 October	Vijayadashami
		7	□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□ □□□□
3	18-10-2021 To 23-10-2021	8	□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□ □□□□
		19 October	Nabidinam
		9	□□□□□□ □□□□□□□□□□□□ □□□□ - □□□□□□
		10	□.□□.□□ □□□□□□□□□□□□ □□□□□□□□□□
		11	□□□□□□ □□□□ □□□□□□□□□□
		12	□□□□□□ □□□□ □□□□□□□□□□
4	25-10-2021 To 30-10-2021	13	□□□□□□ □□□□□□, □□□□□□□□□□□□□□ □□ □□□□□□□□□□
		14	□□□□□□ □□□□ □□□□□□□□□□
		15	□□□□□□ □□□□ - □□□□□□
		16	□□□□□□□□□□□□□□□□ □□□□□□□□□□
		17	□□□□□□□□□□□□□□□□ □□□□□□□□□□
		18	□□□□□□ □□□□□□□□ □□□□ □□□□□□
5	01-11-2021 To 06-11-2021	19	□□□□□□□□□□ □□□□ □□□□□□□□□□
		20	□□□□□□□□□□ □□□□ □□□□□□□□□□
		21	□□□□□□□□□□ □□□□ □□□□□□□□□□
		04 November	Diwali
		22	□□□□□□□□□□ □□□□ - □□□□□□
		23	□□□□□□ □□□□□□□□□□□□ □□□□□□ □□□□□□□□□□□□
6	08-11-2021 To 13-11-2021	24	□□□□ □□ □□□□ □□□□□□□□□□
		25	□□□□□□□□□□□□ □□□□ □□□□□□□□□□
		26	□□□□□□□□□□□□ □□□□ □□□□□□□□□□
		27	□□□□□□□□□□□□ □□□□ □□□□□□□□□□
		28	□□□□□□ □□□□ □□□□□□□□□□
		13 November	Second Saturday
7	15-11-2021 To 20-11-2021	29	□□□□□□ □□□□□□□□□□ □□□□□□
		30	□□□□□□□□□□ □□□□□□□□□□
		31	□□□□□□□□ □□□□□ □□□□□□□□□□
		32	□□□□□□□□ □□□□□ □□□□□□□□□□
		33	□□□□□□□□ □□□□□ □□□□□□□□□□
		34	□□□□□□□□ □□□□□ □□□□□□□□□□
8	22-11-2021 To 27-11-2021	35	□□□□□□ - □□□□□□□□□□
		36	□□□□□□□□□□ □□□□□□ □□□□□□□□□□
		37	□□.□□ □□□□□□□□□□ □□□□□□□□□□
		38	□□□□□□□□□□ □□□□ □□□□□□□□□□

		39	□□□□□□□□ □□□□ □□□□□□□□
		40	□□□□□□□□ □□□□ □□□□□□□□
9	29-11-2021 To 04-12-2021	41	□□□□□□□□ - □□□□□□
		42	□□□□□ □□□□ □□□□□□ □□□□□□
		43	□□□□□□□□□□ □□□□□□□□□□
		44	□□□□ □□□□□□□□□□ □□□□□□□□
		45	□□□□□□ □□□□□□□□□□□□ □□□□□ □□□□□□□□□□□□ □□□□□□□□
		46	□□□□□□ □□□□□□□□□□□□ □□□□□ □□□□□□□□□□□□ □□□□□□□□
10	06-12-2021 To 11-12-2021	47	□□□□□□ □□□□□□□□□□□□ □□□□□ □□□□□□□□□□□□ □□□□□□□□
		48	□□□□□□ □□□□□□□□□□□□ □□□□□ □□□□□□□□□□□□ □□□□□□□□
		49	□□□□□□ □□□□□□□□□□□□ □□□□□ □□□□□□□□□□□□ □□□□□□□□
		50	□□□□□□ □□□□□□□□□□□□ □□□□□ □□□□□□□□□□□□ □□□□□□□□
		51	□□□□□□ □□□□□□□□□□□□ □□□□□ □□□□□□□□□□□□ □□□□□□□□
		11 December	Second Saturday
11	13-12-2021 To 18-12-2021	52	□□□□□ □□□□□□□□□□□□ □□□□□□□□ □□□□□□□□□□
		53	□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□
		54	□□□□□□ □□□□ □□□□□□□□□□□□□□ □□□□□□□□□□
		55	□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□
		56	□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□
		57	□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□
12	20-12-2021 To 25-12-2021	58	□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□
		59	□□□□□□□□□□□□□□□□□□□□□□□□□□ - □□□□□□□□
		60	□□□□□□□□□ □□□□□□□□□□□□
		61	□□ □□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□
		62	□□□□ □□□□□□□□ □□□□□□□ □□□□□□ □□□□□□□□□□
		25 December	CHRISTMASS VACATION
13	27-12-2021 To 01-01-2022	27 December	CHRISTMASS VACATION
		28 December	CHRISTMASS VACATION
		29 December	CHRISTMASS VACATION
		30 December	CHRISTMASS VACATION

		31 December	CHRISTMASS VACATION
		01 January	CHRISTMASS VACATION
14	03-01-2022 To 08-01-2022	63	I Internal Examination
		64	I Internal Examination
		65	I Internal Examination
		66	□□□□ □□□□□□□□ □□□□□□ □□□□□□
		67	□□□□ □□□□□□□□ □□□□□□ □□□□□□
		68	□□□□ □□□□□□□□ □□□□□□ □□□□□□
15	10-01-2022 To 15-01-2022	69	□□□□ □□□□□□□□ □□□□□□ □□□□□□
		70	□□□□ □□□□□□□□ □□□□□□ □□□□□□
		71	□□□□ □□□□□□□□ □□□□□□ □□□□□□
		72	□□□□□□ □□□□□□□□ - 1
		73	□□□□□□ □□□□□□□□ -1
		74	□□□□□□ □□□□□□□□□□□□ □□□□□□□□
16	17-01-2022 To 22-01-2022	75	□□□□□□ □□□□□□ □□□□□□
		76	□□□□□□ □□□□□□□□ -2
		77	□□□□□□ □□□□□□□□ -2
		78	□□□□□□ □□□□□□□□□□□□ □□□□□□□□
		79	□□□□□□ □□□□□□□□ 3
		80	□□□□□□ □□□□□□□□ 3
17	24-01-2022 To 29-01-2022	81	□□□□□□ □□□□□□□□□□□□ □□□□□□□□
		82	□□□□□□ □□□□□□ □□□□□□
		26 January	Republic Day
		83	□□□□□□ □□□□□□□□ 4
		84	□□□□□□ □□□□□□□□□□□□□□ □□□□□□
		85	□□□□□□ □□□□□□□□□□□□□□ □□□□□□
18	31-01-2022 To 05-02-2022	86	II Internal Examination
		87	II Internal Examination
		88	II Internal Examination
		89	II Internal Examination
		90	II Internal Examination

Subject Code:	1A11BCA
Subject Name:	Informatics For Computer Applications
No. of Credits:	2
No. of Contact Hours:	52
Hours per Week:	3
Name of the Teacher:	Fincy Cyriac

SYLLABUS

CO1: Understand the basic concepts and functional knowledge in the field of Informatics.

CO2: Equip the students with fundamentals of Computer.

CO3: Awareness about social issues and concerns in the use of digital technology

CO4: Skills to enable students to use free software.

Unit I:

Concept of Hardware and Software: Computer Languages – Machine Language, Assembly Language, High-level Language, Language translators: Compiler, Interpreter, Assembler, Features of good language.

(12Hrs)

Unit II:

Basic Computer Organization: Von Neumann model, Input Unit, Output Unit, Storage Unit, Control Unit, Memory hierarchy, RAM, ROM, PROM and EPROM, cache memory and registers. Secondary storage devices. Storage capacity: bit, byte, nibble.

(10Hrs)

Unit III:

Introducing Input output devices with examples. Introduction to operating System: need of OS, Types of OS, Functions of OS (introduction only). Introduction to Computer Networks: definition and applications.

(12Hrs)

Unit IV:

Introduction to Linux: Basic commands in Linux such as listing files, viewing contents in files, creating and deleting directories, moving and copying files and/or directories, man pages, setting permissions on files/directories and vi editor. Steps to install Linux OS.

(10Hrs)

Unit V:

IT & Society- issues and concerns- digital divide, IT & development, free software movement, cyber ethics, cybercrime, cyber threats, cyber security, privacy issues, cyber laws, cyber addictions, guide lines for proper usage of computers, internet and mobile phones.

(10Hrs)

Books for Study:

1. V. Rajaraman and T. Radhakrishnan, An Introduction to Digital Computer Design, 5th Ed, PHI.
2. B.Ram, Computer Fundamentals, Architecture & Organization, 4th Ed, New Age International Publishers
3. Pradeep K. Sinha and Priti Sinha, Computer Fundamentals, 6th Ed, BPB Publications
4. Ellen Siever, Stephen Figgins, Robert Love and Arnold Robbins, Linux in a Nutshell: A Desktop Quick Reference, 6th Edition, O_Reilly

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	06-10-2021 To 09-10-2021	1	Concept of Hardware
		2	Concept of Software
		3	Computer Languages
		09 October	Second Saturday
2	11-10-2021 To 16-10-2021	4	Machine Language
		5	Assembly Language
		14 October	Mahanavami
		15 October	Vijayadashami
3	18-10-2021 To 23-10-2021	6	High-level Language
		7	Language translators
		19 October	Nabidinam
		8	Compiler
4	25-10-2021 To 30-10-2021	9	Interpreter
		10	Assembler
		11	Features of good language
		12	Module 1 Exam
5	01-11-2021 To 06-11-2021	13	Basic Computer Organization:
		04 November	Diwali
		14	Von Neumann model
		15	Input Unit, Output Unit, Storage Unit, Control Unit
6	08-11-2021 To 13-11-2021	16	Memory hierarchy, RAM, ROM, PROM and EPROM
		17	Cache memory and registers
		18	Secondary storage devices
		13 November	Second Saturday
7	15-11-2021 To 20-11-2021	19	Secondary storage devices
		20	Secondary storage devices
		21	Storage capacity: bit, byte, nibble
8	22-11-2021 To 27-11-2021	22	Module 2 Exam
		23	Introducing Input output devices with examples
		24	Introducing Input output devices with examples
9	29-11-2021 To 04-12-2021	25	Introduction to operating System
		26	Need of OS
		27	Types of OS
10	06-12-2021 To 11-12-2021	28	Functions of OS (introduction only)
		29	Functions of OS (introduction only)
		11 December	Second Saturday
11	13-12-2021 To 18-12-2021	30	Introduction to Computer Networks: definition
		31	Introduction to Computer Networks: applications
		32	Module 3 Exam

12	20-12-2021 To 25-12-2021	33	Introduction to Linux:
		34	Basic commands in Linux
		35	listing files and viewing contents in files
		24 December	CHRISTMASS VACATION
		25 December	CHRISTMASS VACATION
13	27-12-2021 To 01-01-2022	27 December	CHRISTMASS VACATION
		28 December	CHRISTMASS VACATION
		29 December	CHRISTMASS VACATION
		30 December	CHRISTMASS VACATION
		31 December	CHRISTMASS VACATION
		01 January	CHRISTMASS VACATION
14	03-01-2022 To 08-01-2022		I Internal Examination
			I Internal Examination
			I Internal Examination
		36	Creating and deleting directories
		37	Moving and copying files and/or directories,
		39	man pages
		40	Setting permissions on files/directories
15	10-01-2022 To 15-01-2022	41	vi editor.
		42	Steps to install Linux OS.
		43	Module 4 Exam
		44	IT & Society- issues and concerns-
16	17-01-2022 To 22-01-2022	45	digital divide,
		46	IT & development
		47	Free software movement,
		48	Cyber ethics, cybercrime, cyber threats, cyber security
17	24-01-2022 To 29-01-2022	49	Privacy issues, cyber laws, cyber addictions
		50	Guide lines for proper usage of computers
		26 January	Republic Day
		51	Internet and mobile phones.
		52	Module 5 Exam
18	31-01-2022 To 05-02-2022		II Internal Examination
			II Internal Examination
			II Internal Examination
			II Internal Examination
			II Internal Examination

Subject Code:	1B01BCA
Subject Name:	PROGRAMMING IN C
No. of Credits:	2
No. of Contact Hours:	36
Hours per Week:	2
Name of the Teacher:	Sindhu P M

SYLLABUS

Unit I:

Algorithms and Flow charts: Definitions, Symbols, Program: structure, top-down design, source code, object code, executable file, files extensions. Importance of C; Basic structure of C, programming style, executing a C program. Character set, C tokens, Keywords, identifiers, Constants, data types, declaration of variables, arithmetic operators, logical operators, Relational operators, Assignment operators, Increment and decrement operators, conditional operators, Bitwise operators. Precedence and order of evaluation. Type conversion in expression. Common programming errors, program testing and debugging, Program efficiency. (9 Hrs)

Unit II:

Managing Input output operation: reading a character, writing a character, formatted input output. Branching statements-if, if..else, nested if...else, else...if ladder, switch statement, go to statement. Looping statements- while, do...while, for loop. Break and continue statements. (7 Hrs)

Unit III:

Arrays: One dimensional arrays, two dimensional arrays, Initializing array elements, Multidimensional arrays. Strings: declaration and initializing, reading and writing. Arithmetic operations on character. String handling functions, Functions: Library and user defined, defining a function, calling a function. Parameter passing techniques, Scope and life time of variables in function, recursive functions, arrays and functions. (7 Hrs)

Unit IV:

Structure and union: definition, giving values to members, initialization. Array of structures, array within structure, structure within structure, union. Pointers: accessing the address of a variable, declaration and initializing pointers, accessing a variable through its pointers, pointer arithmetic, pointers and arrays (pointer to array and array of pointers), pointers and character string, pointer and functions. Dynamic memory allocation: malloc(), calloc(), free(),realloc(). (6 Hrs)

Unit V:

File Management: Text and binary files, Defining and opening a file, closing a file, input and output operations on file, error handling, and random access file. Command line arguments. (7 Hrs)

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	06-10-2021 To	1	Algorithms and Flow charts: Definitions, Symbols.
		2	Program: structure, top-down design, source code, object code, executable file, files extensions.

	09-10-2021	09 October	Second Saturday
2	11-10-2021 To 16-10-2021	3	Importance of C; Basic structure of C, programming style, executing a C program.
		4	Character set, C tokens, Keywords, identifiers, Constants.
		14 October	Mahanavami
		15 October	Vijayadashami
3	18-10-2021 To 23-10-2021	5	Data types, declaration of variables.
		19 October	Nabidinam
		6	Arithmetic operators , logical operators, Relational operators, Assignment operators, Increment and decrement operators, conditional operators, Bitwise operators.
4	25-10-2021 To 30-10-2021	7	Precedence and order of evaluation. Type conversion in expression.
		8	Common programming errors, program testing and debugging, Program efficiency.
5	01-11-2021 To 06-11-2021	9	Module I Exam
		10	Managing Input output operation: reading a character, writing a character.
		04 November	Diwali
6	08-11-2021 To 13-11-2021	11	Formatted input output.
		12	Branching statements-if, if..else.
		13 November	Second Saturday
7	15-11-2021 To 20-11-2021	13	Nested if...else, else...if ladder, switch statement, go to statement.
		14	Looping statements- while, do...while, for loop.
8	22-11-2021 To 27-11-2021	15	Break and continue statements.
		16	Module II Exam
9	29-11-2021 To 04-12-2021	17	Arrays: One dimensional arrays, two dimensional arrays, Initializing array elements, Multidimensional arrays.
		18	Strings: declaration and initializing, reading and writing.
10	06-12-2021 To 11-12-2021	19	Arithmetic operations on character. String handling functions.
		20	Functions: Library and user defined, defining a function, calling a function.
		11 December	Second Saturday
11	13-12-2021 To 18-12-2021	21	Parameter passing techniques, Scope and life time of variables in function.
		22	Recursive functions, arrays and functions.
12	20-12-2021 To	23	Module III Exam
		24	Structure and union: definition, giving values to members, initialization. Array of structures.

	25-12-2021	24 December	
		25 December	
13	27-12-2021 To 01-01-2022	27 December	
		28 December	
		29 December	
		30 December	
		31 December	
		01 January	
14	03-01-2022 To 08-01-2022		I Internal Examination
			I Internal Examination
			I Internal Examination
		25	Array within structure, structure within structure, union.
		26	Pointers: accessing the address of a variable, declaration and initializing pointers, accessing a variable through its pointers.
15	10-01-2022 To 15-01-2022	27	Pointer arithmetic, pointers and arrays (pointer to array and array of pointers), pointers and character string, pointer and functions.
		28	Dynamic memory allocation: malloc (), calloc (), free (),realloc ().
16	17-01-2022 To 22-01-2022	29	Module IV Exam
		30	File Management: Text and binary files.
		31	Defining and opening a file, closing a file.
17	24-01-2022 To 29-01-2022	32	Input and output operations on file.
		33	Error handling and random access file.
		26 January	Republic Day
18	31-01-2022 To 05-02-2022		II Internal Examination
			II Internal Examination
			II Internal Examination
			II Internal Examination
			II Internal Examination
		34	Command line arguments.
		35	Module V Exam
		36	Previous Year Question Paper Discussion

Subject Code:	2B04BCA
Subject Name:	PROGRAMMING IN C
No. of Credits:	1
No. of Contact Hours:	36
Hours per Week:	2
Name of the Teacher:	Sindhu P M

SYLLABUS

Sample Program List Students have to practice all programs

1. Write a program to print the size of any five data types in C and its range.
2. Write a program to convert Fahrenheit to Celsius.
3. Write a program to accept three numbers and find the largest and second largest (if stmt)
4. Write a program to find the roots of a quadratic equation (if stmt)
5. Write a program to print all prime numbers between any 2 given limits. (while/for stmt)
6. Write a program to check whether a given matrix is an Identity matrix or not. (2D array)
7. Write a program matrix multiplication. (2D array)
8. Write a program to accept two numbers and perform various arithmetic operations (+,-,*,/) based on the symbol entered. (switch stmt)
9. Write a recursive program to find the factorial of a number.(recursive function)
10. Write a program to check whether the string is a Palindrome. (string, 1D array)
11. Write a program to count and display the different vowels in a line of text. (string)
12. Create an employee structure and display the same. (structure)
13. Write a function to swap two numbers using pointers (pointers, call by value, call by ref)
14. Write a program to access an array of integers using pointers (pointers to arrays)
15. Create a file and store some records in it. Display the contents of the same.(file)

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	06-10-2021 To 09-10-2021	1	Write a program to print the size of any five data types in C and its range.
		2	Write a program to print the size of any five data types in C and its range.
		09 October	Second Saturday
2	11-10-2021 To 16-10-2021	3	Write a program to convert Fahrenheit to Celsius.
		4	Write a program to convert Fahrenheit to Celsius.
		14 October	Mahanavami
		15 October	Vijayadashami
3	18-10-2021 To 23-10-2021	5	Write a program to accept three numbers and find the largest and second largest (if stmt) .
		19 October	Nabidinam
		6	Write a program to accept three numbers and find the largest and second largest (if stmt)

4	25-10-2021 To 30-10-2021	7	Write a program to find the roots of a quadratic equation (if stmt)
		8	Write a program to find the roots of a quadratic equation (if stmt)
5	01-11-2021 To 06-11-2021	9	Write a program to print all prime numbers between any 2 given limits. (while/for stmt)
		10	Write a program to print all prime numbers between any 2 given limits. (while/for stmt)
		04 November	Diwali
6	08-11-2021 To 13-11-2021	11	Write a program to print all prime numbers between any 2 given limits. (while/for stmt)
		12	Write a program to check whether a given matrix is an Identity matrix or not. (2D array)
		13 November	Second Saturday
7	15-11-2021 To 20-11-2021	13	Write a program to check whether a given matrix is an Identity matrix or not. (2D array)
		14	Write a program to check whether a given matrix is an Identity matrix or not. (2D array)
8	22-11-2021 To 27-11-2021	15	Write a program matrix multiplication. (2D array)
		16	Write a program matrix multiplication. (2D array)
9	29-11-2021 To 04-12-2021	17	Write a program to accept two numbers and perform various arithmetic operations (+,-,*,/) based on the symbol entered. (switch stmt)
		18	Write a program to accept two numbers and perform various arithmetic operations (+,-,*,/) based on the symbol entered. (switch stmt)
10	06-12-2021 To 11-12-2021	19	Write a program to accept two numbers and perform various arithmetic operations (+,-,*,/) based on the symbol entered. (switch stmt)
		20	Write a recursive program to find the factorial of a number.(recursive function)
		11 December	Second Saturday
11	13-12-2021 To 18-12-2021	21	Write a recursive program to find the factorial of a number.(recursive function)
		22	Write a program to check whether the string is a Palindrome. (string, 1D array)
12	20-12-2021 To 25-12-2021	23	Write a program to check whether the string is a Palindrome. (string, 1D array)
		24	Write a program to check whether the string is a Palindrome. (string, 1D array)
		24 December	
		25 December	
13	27-12-2021	27 December	

	To 01-01-2022	28 December	
		29 December	
		30 December	
		31 December	
		01 January	
14	03-01-2022 To 08-01-2022		I Internal Examination
			I Internal Examination
			I Internal Examination
		25	Lab Model Exam
		26	Write a function to swap two numbers using pointers (pointers, call by value, call by ref)
15	10-01-2022 To 15-01-2022	27	Write a function to swap two numbers using pointers (pointers, call by value, call by ref)
		28	Write a function to swap two numbers using pointers (pointers, call by value, call by ref)
16	17-01-2022 To 22-01-2022	29	Write a program to access an array of integers using pointers (pointers to arrays)
		30	Write a program to access an array of integers using pointers (pointers to arrays)
		31	Write a program to access an array of integers using pointers (pointers to arrays)
17	24-01-2022 To 29-01-2022	32	Create a file and store some records in it. Display the contents of the same.(file)
		33	Create a file and store some records in it. Display the contents of the same.(file)
		26 January	Republic Day
18	31-01-2022 To 05-02-2022		II Internal Examination
			II Internal Examination
			II Internal Examination
			II Internal Examination
			II Internal Examination
		34	Create a file and store some records in it. Display the contents of the same.(file)
		35	Module Exam
		36	Module Exam

Subject Code:	1C01 MAT
Subject Name:	MATHEMATICS FOR BCA I
No. of Credits:	4
No. of Contact Hours:	72
Hours per Week:	4
Name of the Teacher:	NAJUMUNNISA.K

SYLLABUS

Unit I - Differential Calculus – Differentiation

Text: Differential Calculus, Shanti Narayan and P.K. Mittal

Basics of differentiation – Derivative of a constant function, some general theorems on derivation (theorems without proof), derivatives of trigonometric functions, derivatives of inverse trigonometric functions, derivative of $y = \log x$, hyperbolic functions, derivation of parametrically defined functions, logarithmic differentiation, derivation of implicitly defined functions. (Sections 4.2, 4.3 except 4.3.5, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10)

Unit II - Differential Calculus– Successive Differentiation

Text: Higher Engineering Mathematics (41st edition), B.S. Grewal

Successive differentiation, standard results, preliminary transformations, use of partial fractions, Leibnitz's theorem for the n th derivative of the product of two functions (Sections 4.1, 4.2)

Unit III - Boolean Algebra

Text: Set Theory and Related Topics, S. Lipschitz, Schaum's Series

Introduction, basic definition, duality, basic theorems (Sections 11.1, 11.2, 11.3, 11.4)

Unit IV - Linear Algebra - Matrices and System of Equations, Linear Transformations

Text: Higher Engineering Mathematics (41st edition), B.S. Grewal

Rank of a matrix, elementary transformation of a matrix, equivalent matrix, elementary matrices, Gauss-Jordan method of finding the inverse, normal form of a matrix, partition method of finding the inverse, solution of linear system of equations – method of determinants – Cramer's rule, matrix inversion method, consistency of linear system of equations, Rouche's theorem, procedure to test the consistency of a system of equations in n unknowns, system of linear homogeneous equations. Linear transformations, orthogonal transformation, vectors – linear dependence (Sections 2.7, 2.8, 2.9, 2.10, 2.11, 2.12)

Reference

1. Advanced Engineering Mathematics (10th edition), E. Kreyszig, Wiley
2. Calculus (10th edition), Anton, Bivens, Davis, Wiley-India
3. A Textbook of Matrices, Shanti Narayan and P.K. Mittal, S. Chand & Co
4. Higher Engineering Mathematics (41st edition), B.S. Grewal, Khanna Pub.

5. Theory of and Problems of Matrices, Frank Ayres JR, Schaum's Outline Series, McGraw- Hill Book Company

TEACHING SCHEDULE

No of Weeks	Dates	Session	Topic
1	06-10-2021 To 09-10-2021	1	Basics of differentiation , Derivative of a constant function
		2	Problems
		3	Problems
		09 October	Second Saturday
2	11-10-2021 To 16-10-2021	4	Derivatives of trigonometric functions
		5	Problems
		6	Problems
		14 October	Mahanavami
		15 October	Vijayadashami
3	18-10-2021 To 23-10-2021	7	Problems
		19 October	Nabidinam
		8	Problems
		9	Derivatives of inverse trigonometric functions
		10	Derivative of $y = \log x$, Problems
4	25-10-2021 To 30-10-2021	11	Derivative of $y = \log x$, Problems
		12	Problems related to hyperbolic functions
		13	Problems
		14	Hyperbolic functions
		15	Problems
5	01-11-2021 To 06-11-2021	16	Problems
		17	Problems
		18	Problems
		04 November	Diwali
		19	Logarithmic differentiation
6	08-11-2021 To 13-11-2021	20	Problems
		21	Class Test
		22	Problems
		23	Derivative of implicitly defined functions
		24	Problems
		13 November	Second Saturday
7	15-11-2021 To	25	Problems related to implicitly defined functions
		26	Discussion
		27	Problems

	20-11-2021	28	Successive differentiation
		29	Problems related to successive differentiation
8	22-11-2021 To 27-11-2021	30	Standard results
		31	Problems related to standard results
		32	Preliminary transformations
		33	Use of Partial fractions
		34	Problems related to partial fractions
9	29-11-2021 To 04-12-2021	35	n th derivative of functions
		36	Leibnitz theorem for the nth derivative of the product of two functions
		37	Problems related to Leibnitz theorem
		38	Revision – Module 2
		39	Class Test
10	06-12-2021 To 11-12-2021	40	Introduction
		41	Basic definitions
		42	Duality
		43	Basic theorems
		11 December	Second Saturday
11	13-12-2021 To 18-12-2021	44	Revision – Module 3
		45	Class test – Module 3
		46	Rank of a matrix
		47	Elementary transformation of a matrix
		48	Equivalent matrix
12	20-12-2021 To 25-12-2021	49	Elementary matrices
		50	Gauss Jordan method of finding the inverse
		51	Problems related to Gauss Jordan method
		24 December	
		25 December	
13	27-12-2021 To 01-01-2022	27 December	
		28 December	
		29 December	
		30 December	
		31 December	
		01 January	
14	03-01-2022 To 08-01-2022	52	I Internal Examination
		53	I Internal Examination
		54	I Internal Examination
		55	Problems
		56	Normal form of a matrix
15	10-01-2022 To 15-01-2022	57	Problems related to normal form
		58	Partition method of finding the inverse
		59	Problems related to partition method
		60	Solution of linear system of equations

16	17-01-2022 To 22-01-2022	61	Cramer's Rule
		62	Matrix inversion method
		63	Problems related to matrix inversion method
		64	Rouche's theorem
17	24-01-2022 To 29-01-2022	65	Procedure to test the consistency of a system of equations in n unknowns
		66	Problems
		26 January	Republic Day
		67	Linear transformations
18	31-01-2022 To 05-02-2022	68	II Internal Examination
		69	II Internal Examination
		70	II Internal Examination
		71	II Internal Examination
		72	II Internal Examination