

DAY	DATE	DAY ORDER	JULY 2022	NO OF WORKING DAYS
			PARTICULARS	
Friday	1		National Doctor's Day	
Saturday	2			
Sunday	3			
Monday	4			
Tuesday	5			
Wednesday	6			
Thursday	7			
Friday	8			
Saturday	9			
Sunday	10		Bakrid	
Monday	11		World Population Day	
Tuesday	12			
Wednesday	13			
Thursday	14			
Friday	15			
Saturday	16			
Sunday	17			
Monday	18	I	Odd Semester Commences for II UG,III UG and II PG students	1
Tuesday	19	II		2
Wednesday	20	III		3
Thursday	21	IV		4
Friday	22	V		5
Saturday	23	-		-
Sunday	24	-		-
Monday	25	VI		6
Tuesday	26	VII		7
Wednesday	27	I		8
Thursday	28	II	World Hepatitis Day	9
Friday	29	III		10
Saturday	30	IV		11
Sunday	31	-		-
NO OF WORKING DAYS: 11				

DAY	DATE	DAY ORDER	AUGUST 2022	NO OF WORKING DAYS
			PARTICULARS	
Monday	1	V	World Wide Web Day	12
Tuesday	2	VI		13
Wednesday	3	VII		14
Thursday	4	I		15
Friday	5	II		16
Saturday	6	III		17
Sunday	7	-	National Handloom Day Friendship Day	-
Monday	8	IV		18
Tuesday	9	-	Muharram	-
Wednesday	10	V		19
Thursday	11	VI		20
Friday	12	VII	International Youth Day	21
Saturday	13	-	International Left Handers Day	-
Sunday	14	-		-
Monday	15	-	Indian Independence Day	-
Tuesday	16	I		22
Wednesday	17	II		23
Thursday	18	III		24
Friday	19	-	World Photography Day Krishna Jeyanthi	-
Saturday	20	IV		25
Sunday	21	-		-
Monday	22	V		26
Tuesday	23	VI		27
Wednesday	24	VII	Odd Semester Commences for I UG & I PG Students & PTA Meeting for I Year (UG and PG) Students	28(1)
Thursday	25	I	Orientation commences for I Year(UG and PG) Students	29(2)
Friday	26	II	Women's Equality Day	30(3)
Saturday	27	-		-
Sunday	28	-		-
Monday	29	III	National Sports day of India	31(4)
Tuesday	30	IV	Small Industry Day	32(5)
Wednesday	31	-	Ganesh Chaturthi	-
NO OF WORKING DAYS: 21				

DAY	DATE	DAY ORDER	SEPTEMBER 2022	NO OF WORKING DAYS
			PARTICULARS	
Thursday	1	V		33(6)
Friday	2	VI	World Coconut Day CIA –I commences for II UG, III UG & II PG students	34(7)
Saturday	3	VII	Bridge course commences for I Year UG Students	35(8)
Sunday	4	-		-
Monday	5	I	Teachers' Day International Day of Charity	36(9)
Tuesday	6	II		37(10)
Wednesday	7	III		38(11)
Thursday	8	IV	International Literacy Day	39(12)
Friday	9	V		40(13)
Saturday	10	-		-
Sunday	11	-		-
Monday	12	VI		41(14)
Tuesday	13	VII		42(15)
Wednesday	14	I	Hindi day	43(16)
Thursday	15	II	Engineers' Day, International Day of Democracy	44(17)
Friday	16	III	World Ozone Day	45(18)
Saturday	17	IV		46(19)
Sunday	18	-		-
Monday	19	V		47(20)
Tuesday	20	VI		48(21)
Wednesday	21	VII	International Day of Peace	49(22)
Thursday	22	I		50(23)
Friday	23	II		51(24)
Saturday	24	-		-
Sunday	25	-	World Pharmacists Day	-
Monday	26	III		52(25)
Tuesday	27	IV	World Tourism Day	53(26)
Wednesday	28	V		54(27)
Thursday	29	VI	World Heart Day	55(28)
Friday	30	VII	World Translation Day	56(29)
NO OF WORKING DAYS: 24				

DAY	DATE	DAY ORD ER	OCTOBER 2022	NO OF WORKING DAYS
			PARTICULARS	
Saturday	1	I	International Day for the Elderly	57(30)
Sunday	2	-	Gandhi Jayanti, International Day of Non-Violence	-
Monday	3	-		-
Tuesday	4	-	World Animal Welfare Day Ayutha Pooja	-
Wednesday	5	-	Vijaya Dasami	-
Thursday	6	II	CIA –II commences for II UG, III UG and II PG students & CIA –I commences for I UG and I PG students	58(31)
Friday	7	III		59(32)
Saturday	8	IV	Indian Air Force Day	60(33)
Sunday	9	-	World Post Office day Milad-un-Nabi	-
Monday	10	V		61(34)
Tuesday	11	VI	International Girl Child Day	62(35)
Wednesday	12	VII		63(36)
Thursday	13	I		64(37)
Friday	14	II		65(38)
Saturday	15	III	Alhaj Dr.B S Abdur Rahman's Birthday & Dr.APJ Abdul Kalam's Birthday	66(39)
Sunday	16	-	World Food Day	-
Monday	17	IV		67(40)
Tuesday	18	V		68(41)
Wednesday	19	VI	Quiz,Assignment and Seminar – I	69(42)
Thursday	20	VII		70(43)
Friday	21	I		71(44)
Saturday	22	II		72(45)
Sunday	23	-		-
Monday	24	-	Diwali	-
Tuesday	25	-		-
Wednesday	26	III		73(46)
Thursday	27	IV		74(47)
Friday	28	V		75(48)
Saturday	29	VI		76(49)
Sunday	30	-		-
Monday	31	VII	National Unity Day	77(50)
NO OF WORKING DAYS: 21				

DAY	DATE	DAY ORDER	NOVEMBER 2022	NO OF WORKING DAYS
			PARTICULARS	
Tuesday	1	I		78(51)
Wednesday	2	II	Assignment and Seminar - II	79(52)
Thursday	3	III		80(53)
Friday	4	IV	CIA –III commences for II UG,III UG and II PG students & CIA –II commences for I UG & I PG students	81(54)
Saturday	5	V	World Tsunami Day	82(55)
Sunday	6	-		-
Monday	7	VI	Infant Protection Day, National Cancer Awareness Day	83(56)
Tuesday	8	VII	World Radiology Day	84(57)
Wednesday	9	I		85(58)
Thursday	10	II	Transport Day	86(59)
Friday	11	III	National Education Day	87(60)
Saturday	12	-		-
Sunday	13	-	World Kindness Day	-
Monday	14	IV	Children's Day (Jawaharlal Nehru's birthday) ESE (Practical) commences for II UG, III UG and II PG Students & Quiz-II	88(61)
Tuesday	15	V		89(62)
Wednesday	16	VI	Last Working Day for II UG ,III UG and II PG Students	90 (63)
Thursday	17			(64)
Friday	18	-	World Adult Day	(65)
Saturday	19	-	World Citizen Day	-
Sunday	20	-		-
Monday	21	-	World Television Day	
Tuesday	22	-		(66)
Wednesday	23	-	ESE (Theory) commences for II UG, III UG & II PG Students	(67)
Thursday	24	-		(68)
Friday	25	-		(69)
Saturday	26	-	National Law Day	(70)
Sunday	27	-		-
Monday	28	-	CIA - III commences for I UG & I PG students	(71)
Tuesday	29	-		(72)
Wednesday	30	-		(73)
NO OF WORKING DAYS: 13				

DAY	DATE	DAY ORD ER	DECEMBER 2022	NO OF WORKING DAYS
			PARTICULARS	
Thursday	1		World First Aids Day (NSS)	(74)
Friday	2		World Computer Literacy Day National Pollution Control Day	(75)
Saturday	3		International Day of Disabled People	(76)
Sunday	4		Navy Day	-
Monday	5		ESE (Exam) begins for I UG and I PG students (odd semester)	(77)
Tuesday	6			(78)
Wednesday	7		Indian Armed Forces Flag Day	(79)
Thursday	8	I	Even semester begins for II UG, III UG and II PG students & Last working day for I UG and I PG Students	1(80)
Friday	9	II	International day against corruption & ESE (Theory) commences for I UG and I PG Students(odd semester)	2
Saturday	10	-	Human Right Day (Women Empowerment Cell)	-
Sunday	11	-	International Mountain day	-
Monday	12	III		3
Tuesday	13	IV		4
Wednesday	14	V		5
Thursday	15	VI		6
Friday	16	VII		7
Saturday	17	I		8
Sunday	18	-	Minorities Right Day (Scholarship)	-
Monday	19	II		9
Tuesday	20	III		10
Wednesday	21	IV		11
Thursday	22	V	National Mathematics Day (Department of Mathematics)	12
Friday	23	VI		13
Saturday	24	-	Even semester begins for I UG & I PG students	-
Sunday	25	-	Christmas Day	-
Monday	26	VII		14
Tuesday	27	I		15
Wednesday	28	II		16
Thursday	29	III		17
Friday	30	IV		18
Saturday	31	V		19
NO OF WORKING DAYS: 19				

DAY	DATE	DAY ORDER	JANUARY 2023	NO OF WORKING DAYS
			PARTICULARS	
Sunday	1	-	New Year	-
Monday	2	VI		20
Tuesday	3	VII		21
Wednesday	4	I		22
Thursday	5	II		23
Friday	6	III		24
Saturday	7	-		-
Sunday	8	-		-
Monday	9	IV		25
Tuesday	10	V		26
Wednesday	11	VI		27
Thursday	12	VII		28
Friday	13	I		29
Saturday	14	II		30
Sunday	15	-	Pongal	-
Monday	16	-	Uzhavar Thirunal	-
Tuesday	17	III		31
Wednesday	18	IV		32
Thursday	19	V		33
Friday	20	VI		34
Saturday	21	-		-
Sunday	22	-		-
Monday	23	VII	CIA –I Commences for all students	35
Tuesday	24	I		36
Wednesday	25	II		37
Thursday	26	-	Republic Day	-
Friday	27	III		38
Saturday	28	IV		39
Sunday	29	-		-
Monday	30	V		40
Tuesday	31	VI		41
NO OF WORKING DAYS: 22				

DAY	DATE	DAY ORDER	FEBRUARY 2023	NO OF WORKING DAYS
			PARTICULARS	
Wednesday	1	VII		42
Thursday	2	I	Quiz/Assignment/Seminar- I	43
Friday	3	II		44
Saturday	4	III	World Cancer Day	45
Sunday	5	-		-
Monday	6	IV		46
Tuesday	7	V		47
Wednesday	8	VI		48
Thursday	9	VII		49
Friday	10	I		50
Saturday	11	-		-
Sunday	12	-		-
Monday	13	II	World Radio Day	51
Tuesday	14	III		52
Wednesday	15	IV		53
Thursday	16	V		54
Friday	17	VI	CIA –II Commences for all students	55
Saturday	18	VII		56
Sunday	19	-		-
Monday	20	I	World Day of Social Justice	57
Tuesday	21	II	International Mother Language Day	58
Wednesday	22	III		59
Thursday	23	IV		60
Friday	24	V	Central Excise Day	61
Saturday	25	-		-
Sunday	26	-		-
Monday	27	VI		62
Tuesday	28	VII		63
NO OF WORKING DAYS: 22				

DAY	DATE	DAY ORDER	MARCH 2023	NO OF WORKING DAYS
			PARTICULARS	
Wednesday	1	I	Zero Discrimination Day	64
Thursday	2	II	Quiz/Assignment/Seminar- II	65
Friday	3	III	World Wildlife Day	66
Saturday	4	IV		67
Sunday	5	-		-
Monday	6	V		68
Tuesday	7	VI		69
Wednesday	8	VII	International Women's Day	70
Thursday	9	I		71
Friday	10	II		72
Saturday	11	-		-
Sunday	12	-		-
Monday	13	III		73
Tuesday	14	IV	International Day Of Mathematics	74
Wednesday	15	V	World Consumer Day CIA –III Commences for all students	75
Thursday	16	VI		76
Friday	17	VII		77
Saturday	18	I		78
Sunday	19	-		-
Monday	20	II	International Day of Happiness	79
Tuesday	21	III	World Forestry Day	80
Wednesday	22	-	Telugu New Year World Day of Water	-
Thursday	23	IV	World Meteorological Day	81
Friday	24	V		82
Saturday	25	-		-
Sunday	26	-		-
Monday	27	VI	ESE (Practical) Commences for all students	83
Tuesday	28	VII		84
Wednesday	29	I		85
Thursday	30	II		86
Friday	31	III		87
NO OF WORKING DAYS: 24				

DAY	DATE	DAY ORDER	APRIL 2023	NO OF WORKING DAYS
			PARTICULARS	
Saturday	1	IV		88
Sunday	2	-		-
Monday	3	V		89
Tuesday	4	-	Mahavir Jayanti	-
Wednesday	5	VI	Last Working Day for all students (Even semester)	90
Thursday	6			
Friday	7		Good Friday	
Saturday	8			
Sunday	9			
Monday	10		ESE (Theory) Commences for all students	
Tuesday	11			
Wednesday	12			
Thursday	13			
Friday	14		Dr Ambedkar Jayanti Tamil New Year	
Saturday	15			
Sunday	16			
Monday	17			
Tuesday	18			
Wednesday	19			
Thursday	20			
Friday	21			
Saturday	22		Idul Fitr	
Sunday	23			
Monday	24			
Tuesday	25			
Wednesday	26			
Thursday	27			
Friday	28			
Saturday	29			
Sunday	30			
NO OF WORKING DAYS:3				

DAY	DATE	DAY ORDER	MAY 2023	NO OF WORKING DAYS
			PARTICULARS	
Monday	1		May Day	
Tuesday	2			
Wednesday	3			
Thursday	4			
Friday	5			
Saturday	6			
Sunday	7			
Monday	8			
Tuesday	9			
Wednesday	10			
Thursday	11			
Friday	12			
Saturday	13			
Sunday	14			
Monday	15			
Tuesday	16			
Wednesday	17			
Thursday	18			
Friday	19			
Saturday	20			
Sunday	21			
Monday	22			
Tuesday	23			
Wednesday	24			
Thursday	25			
Friday	26			
Saturday	27			
Sunday	28			
Monday	29			
Tuesday	30			
NO OF WORKING DAYS:				

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN



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Kilakarai - 623 517, Ramanathapuram District.



LOG BOOK

(Theory)

Academic Year : 2022- 23

Semester : Odd / Even ✓

Name of the Faculty

: K. Manimekalai
~~Advanced Management Accounting~~

Designation

: Assistant professor

Department

: Commerce

Programme

: T. M. Com

Course

: Advanced Management Accounting

Course Code

: IMCOC22

Core VI- Advanced Management Accounting
(For Students Admitted from 2022-2023)

Semester: II
Subject Code: IMCOC22

Hours/ week: 6
Credit: 5

Course Objectives:

1. To understand the basic concepts of management accounting
2. To enable the learners to apply the techniques of management accounting in managerial decision making

UNIT I

(18 hours)

Management Accounting: Meaning - Scope and Objectives – Management Accounting Distinguished from Financial and Cost Accounting, Analysis and Interpretation of Financial Statements - Ratio Analysis – Analysis for Liquidity, Solvency, Activity and Profitability.
(18 hours)

Cash Flow Analysis: Meaning - Managerial Uses – Limitations - Distinction between Fund Flow and Cash Flow Statements – Procedure for Preparation of Cash Flow Statement – Cash Flow from Operating Activities – Cash Flow From Investing Activities - Cash Flow from Financing Activities – Preparation of Cash Flow Statement .

UNIT III

(18 hours)

Marginal Costing: Cost Volume Profit Analysis – Profit Volume Ratio- Break Even Analysis- Margin of Safety - Application of Marginal Costing Techniques for Managerial Decisions - Make or Buy – Key Factor – Pricing – Shut Down of Plant – Optimal Production Mix – Adding or Discontinuing a Product.

UNIT IV

(18 hours)

Budget and Budgetary Control: Meaning -Essentials – Classification – Fixed and Flexible Budget – Sales Budget – Production Budget – Cash Budget – Zero Base Budgeting and its Relevance in Decision Making.

UNIT V

(18 hours)

Standard Costing: Meaning - Standard Costing and Variance Analysis for Material, Labour, Overhead and Sales– Difference between Budgetary Control and Standard Costing.

Note: The questions should be asked in the ratio of 70% problems and 30% theory.

Course Outcomes:

After completion of this course, student will be able to

- CO1:** Differentiate between management accounting, financial and cost accounting
- CO2:** Measure and monitor cash flow statement
- CO3:** Apply marginal costing techniques for managerial decisions
- CO4:** Prepare budgets and deal with budgetary control
- CO5:** Administer implementation of standard costing and variance analysis for material, labour, and overhead

Text Books:

1. R.S.N. Pillai & Bagavathi, *Management Accounting*, S.Chand & Company Ltd, New Delhi, 2015.
2. S.N.Maheswari, *Principles of Management Accounting*, Sulthan Chand & Sons, New Delhi, 2018

Reference Books:

1. Man Mohan & Goyal, *Principles of Management Accounting*, Sahitya Bhavan, Agra, 2016.
2. Shashi K Gupta & R k Sharma, *Management Accounting Principles & Practice*, Kalyani Publishers, 13th Edition, 2017.

Extract of College Working Days

Semester commences on : 23/12/22

Semester ends on : 12.04.23

S.No.	Month	No. of Working Days	Hours
1.	December	15	5
2.	January	22	18
3.	February	22	19
4.	March	24	21
5.	April	07	6
6.			
7.			
8.			
9.			
10.			
11.			
12.			

Total no. of hours required :
(For completing the Syllabus)

90

Total no. of hours available:

69

Faculty Schedule for

Faculty Schedule for

(Name of the course)

Hour	I	II	III	IV	V
Time	09.10 am	10.20 am	11.15 am	01.00 pm	01.55 pm
Day Order	10.05 am	11.15 am	12.10 pm	01.55 pm	02.50 pm
I		Ad. Mgft A/c I M. com			
II					
III	Ad. Mgft A/c I M. com				
IV					Ad. Mgft A/c I M. com
V					
VI				nd. mgft A/c	
VII	Ad. mgft- A/c				

An effective date: 23/12/23/

Revision No: 1

Lesson Plan for Regular Class Work

Topics Planned - Unit I

S. No.	Date	D/O	H		S. No.	D/O	H	
1.	23/12/22	IV	V	Syllabus orientation	1.	23/12		
2.	27/12/22	V	IV	Syllabus Orientation	2.	27/12		
3.	28/12/22	VI	IV	Management Accounting	3.	28/12		
4.	29/12/22	VII	I	Meaning - Scope and objectives	4.	29/12		
5.	30/12/22	II	II	Meaning - Scope and Objectives	5.	30/12		
6.	3/1/23	III	I	Management Accounting Distinguished from financial and cost Accounting	6.	3/1		
7.	4/1/23	IV	V	Analysis and Interpretation of financial statements.	7.	4/1		
8.	5/1/23	V	IV	Analysis and Interpretation of financial statements.	8.	5/1		
9.	6/1/23	VI	IV	Ratio Analysis	9.	6/1		
10.	7/1/23	VII	I	Ratio Analysis	10.	7/1		
11.	9/1/23	I	II	Analysis for liquidity	11.	9/1		
12.	14/1/23	II	I	Analysis for liquidity	12.	14/1		
13.	12/1/23	III	V	Solvency	13.	12/1		
14.	13/1/23	IV	IV	Solvency	14.	13/1		
15.	18/1/23	V	IV	Solvency, Activity and profitability	15.	18/1		
16.	19/1/23	VI	I	Solvency, Activity and profitability	16.	19/1		
17.	20/1/23	VII	II	"	17.	20/1		
18.	23/1/23	III	I	Solvency, Activity and profitability	18.	23/1		

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit II
1.	24/1/23	IV	V	Cash flow Analysis
2.	25/1/23	V	III	Meaning - Managerial Uses
3.	27/1/23	VI	V	Limitations
4.	28/1/23	VI	I	Distinction between fund flow and cash flow statements
5.	30/1/23	VII	II	procedure for preparation of cash flow statement
6.	1/2/23	VII	I	procedure for preparation of cash flow statement
7.	2/2/23	VII	V	Cash flow from operating Activities
8.	3/2/23	VII	III	Cash flow from operating Activities
9.	4/2/23	VII	V	Cash flow from Operating Activities
10.	6/2/23	VII	I	Cash flow from Investing Activities
11.	7/2/23	VII	II	Cash flow from Investing Activities
12.	9/2/23	VII	I	Cash flow from financing Activities
13.	10/2/23	VII	IV	Cash flow from financing Activities
14.	13/2/23	VII	III	Cash flow from financing Activities
15.	14/2/23	VII	V	preparation of cash flow statement
16.	15/2/23	VII	I	preparation of cash flow statement
17.	16/2/23	VII	II	preparation of cash flow statement
18.	18/2/23	VII	I	preparation of cash flow statement

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit III
1.	20/2/23	IV	V	Marginal Costing
2.	21/2/23	V	III	Cost Volume Profit Analysis
3.	22/2/23	VI	II	Cost volume Profit Analysis
4.	23/2/23	VII	I	Profit Volume Ratio
5.	24/2/23	I	II	Profit Volume Ratio
6.	28/2/23	III	I	Profit Volume Ratio
7.	1/3/23	IV	I	Break Even Analysis
8.	2/3/23	V	III	Margin of Safety
9.	3/3/23	VI	II	Application of Marginal Costing Techniques for Managerial Decisions
10.	4/3/23	VII	I	Make or Buy
11.	6/3/23	II	II	Key factor - Pricing
12.	8/3/23	III	I	Key factor - Pricing
13.	9/3/23	IV	V	Key factor - Pricing
14.	10/3/23	V	III	Shut down of plant
15.	13/3/23	VI	V	Shut down of plant
16.	14/3/23	VII	I	Optimal Production Mix
17.	15/3/23	I	II	Optimal production Mix
18.	17/3/23	III	I	Adding or Discontinuing product.

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit IV
1.	18/3/23	IV	V	Budget and Budgetary Control
2.	20/3/23	V	III	Meaning - Essentials
3.	21/3/23	VI	IV	Classification
4.	23/3/23	VII	I	Fixed and Flexible Budget
5.	24/3/23	I	II	Fixed and Flexible Budget
6.	28/3/23	III	I	Fixed and Flexible Budget
7.	29/3/23	IV	V	Sales Budget
8.	30/3/23	V	III	Sales Budget
9.	31/3/23	VI	IV	Sales Budget
10.	1/4/23	VII	I	Production Budget
11.	3/4/23	I	II	Production Budget
12.	6/4/23	III	I	Production Budget
13.	10/4/23	IV	V	Cash Budget
14.	11/4/23	V	III	Cash Budget
15.	12/4/23	VI	IV	Cash Budget
16.		III		Zero Base in Budgeting and its relevance in Decision Making
17.		I		Zero Base Budgeting and its relevance in Decision making
18.		III		Zero Base Budgeting and its relevance in Decision making

Topics Planned - Unit V

S. No.	Date	D/O	H	
1.		I		Standard Costing
2.		I		Meaning - Standard Costing
3.		I		Variance Analysis for Material
4.		I		Variance Analysis for Material
5.		I		Variance Analysis for Material
6.		I		Variance Analysis for Material
7.		I		Variance Analysis for Labour
8.		I		Variance Analysis for Overhead
9.		I		Variance Analysis for Labour
10.		I		Variance Analysis for Labour
11.		I		Variance Analysis for overhead and sales
12.		I		Variance Analysis for overhead and sales
13.		I		Variance Analysis for overhead and sales
14.		I		Variance Analysis for overhead and sales
15.		I		Variance Analysis for overhead and sales
16.		I		Difference between Budgetary Control and Standard Costing
17.		I		Difference between Budgetary Control and Standard Costing
18.		I		Difference between Budgetary Control and Standard Costing

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit I
1.	18.07.2022	I	5	Definition of Neuro Psychology
2.	19.07.2022	II	1	Branches of Psychology
3.	20.07.2022	III	3	"
4.	25.07.2022	VI	4	"
5.	"	"	5	Historical Background
6.	26.07.2022	VII	4	"
7.	27.07.2022	I	5	"
8.	28.07.2022	II	1	Conceptual Issues
9.	29.07.2022	III	3	"
10.	02.08.2022	IV	4	"
11.	"	"	5	Neuropsychological practice
12.	3.08.2022	V	4	"
13.	4.08.2022	I	5	"
14.	5.08.2022	II	1	Psychiatry
15.	6.08.2022	III	3	"
16.	11.08.2022	IV	4	Neurological Tools
17.	"	"	5	"
18.	12.08.2022	V	4	Neuro Psychology Applications.

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit III
37.	14.09.2022	I	5	Neurotransmitters
38.	15.09.2022	II	1	Synaptic transmission
39.	16.09.2022	III	3	"
40.	20.09.2022	VI	4	membrane potentials
41.	"	"	5	Action Potentials
42.	21.09.2022	VII	4	"
43.	22.09.2022	I	5	Resting potentials
44.	23.09.2022	II	1	"
45.	26.09.2022	III	3	Neurotransmitters
46.	29.09.2022	VI	4	Criteria Process & kinds
47.	"	"	5	Central Nervous System
48.	30.09.2022	VII	4	prefrontal cortex damage
49.	1.10.2022	I	5	Brain & Spinal cord
50.	6.10.2022	II	1	Neuroplasticity
51.	7.10.2022	III	3	Sensation & perception
52.	11.10.2022	V	4	Lobes & function
53.	"	"	5	Frontal lobe , Parietal lobe
54.	12.10.2022	VII	4	Occipital lobe , Temporal lobe

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit IV
55	13.10.2022	I	5	Neuropsychopathology
56	14.10.2022	II	1	Head Injury Stroke Seizures
57	15.10.2022	III	3	Multiple Sclerosis
58	19.10.2022	VII	4	Other progressive & non progressive disorders
59	20.10.2022	VIII	5	Assessment Strategies
60	20.10.2022	VII	4	Instruments
61	21.10.2022	I	5	Review of literature records
62	22.10.22	II	1	Clinical Interview
63	26.10.22	III	3	Observations of behaviours
64	29.10.22	IV	4	MSE
65	"	VI	5	Psychological , demographic factors influencing
66	31.10.22	VII	4	Neuropsychological test performance
67	1.11.22	I	5	"
68	2.11.22	II	1	Electro Physiological measures
69	3.11.22	III	3	"
70	7.11.22	VI	4	Possible mechanisms of recovery from neuro psychopathology
71	"	"	5	"
72	8.11.22	VII	4	"

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit V
73.	9.11.2022	I	5	Psychological Therapies
74.	10.11.2022	II	1	"
75.	11.11.2022	III	3	Coma stimulation Techniques
76.	16.11.2022	IV	4	Behaviour modification procedures
77.	"	"	5	"
78.	17.11.2022	V	4	"
79.	Special class			curative Rehabilitation
80.	"			"
81.	"			retraining Psychotherapy
82.	"			"
83.	"			Individual Therapy
84.	"			"
85.	"			"
86.	"			family members group therapy
87.	"			"
88.	"			"
89.	"			"
90.	"			"

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LOG BOOK

(Theory)

Academic Year : 2022 - 2023

Semester : Odd / Even

Name of the Faculty : Ms. A. Thanisha Barvin

Designation : Assistant Professor

Department : Mathematics

Programme : II BSc Mathematics

Section : -

Subject : Differential Equations

Subject Code : HBMXC31

Core V- Differential Equations
(For those who joined since 2021 - 22)

Semester: III
Sub.Code: HBMXC31

Hours Per Week: 6
Credit: 4

- CO 1:** Distinguish between linear, homogeneous, non-homogeneous differential equations.
CO 2: Recognize and solve complementary function and Particular integral.
CO 3: Recognize and solve the linear equations of the second order.
CO 4: Gain the knowledge to solve partial differential equations.

Unit I **(18 hours)**

Equation of the first order and of the first degree: Linear Equation – Bernoulli's equation – Exact differential equations. Equations of the first order, but of the higher degree: Solvable for p – Equations Solvable for y and Equations Solvable for x – Clairaut's form – Equations Homogeneous in x and y .

Unit II **(18 hours)**

Linear Equations with constant coefficients: Definitions - Complementary function of a linear equation with constant coefficients - Particular integral - General method of finding P.I - Special methods for finding P.I - Linear equations with variable coefficients, Equations reducible to the Linear equations.

Unit III **(18 hours)**

Simultaneous differential equations: Simultaneous equations of the first order and first degree - Simultaneous linear differential equations - Simultaneous equations with variable co-efficients.

Unit IV **(18 hours)**

Linear equations of the second order: Complete solution given a known integral - Reduction to the normal form - Change of the independent variable - Variation of Parameters - Methods of Operational factors.

Unit V **(18 hours)**

Partial Differential equations of the first order: Classification of integral - Derivation of partial differential equations - Lagrange's method of solving the linear equation - Special method; standard forms - Charpit's method.

Text Book:

1. S. Narayanan and T.K. Manicavachagom Pillai, Differential Equations and its Applications, S. Viswanathan (Printers & Publishers) Pvt., Ltd, 2010.

Unit I: Chapter II & IV (Pg.no: 14 – 28 & 60-67)

Unit II: Chapter V (Pg.no: 68 - 102)

Unit III: Chapter VI (Pg.no: 119 - 134)

Unit IV: Chapter VIII (Pg.no: 145 - 160)

Unit V: Chapter XII (Pg.no: 219 - 249)

Reference Books:

1. K.Venkataraman and Mrs.Manorama Sridhar, Differential Equations and Laplace Transforms, the national publishing company. 2004.
2. Dr. Arumugam and Mr A. Thangapandi Issac, Differential Equations and Laplace Transforms New Gamma Publishing House. 2014.
3. Nita H. Shah, Ordinary and Partial differential equations Theory and Applications, PHI learning Private limited, New Delhi. 2010.

Web Resources:

1. <https://solitaryroad.com/c651.html>
2. <https://youtu.be/VyWBA0THDRk>
3. <http://people.cs.uchicago.edu/~lebovitz/Eodesbook/lc.pdf>

Lesson Plan for Regular Class Work

S. No.	Date	D/O	P	Topics Planned - Unit I
1	18/7/22	I	5	Subject Orientation
2	19/7/22	II	2	Subject Orientation
3	20/7/22	III	5	Equation of the 1 st order and of the 1 st degree - Linear Equation
4	21/7/22	IV	5	Linear Equation Examples
5	22/7/22	V	1	Bernoulli's Equation
6	26/7/22	VII	2	Examples
7	27/7/22	I	5	Exact Differential Equation
8	28/7/22	II	2	Examples
9	29/7/22	III	5	Equation of 1 st order but of higher degree solvable for p
10	30/7/22	IV	5	Examples
11	1/8/22	V	1	Solvable for y with Examples
12	3/8/22	VII	2	Solvable for x with Examples
13	4/8/22	I	5	Clairaut's Form
14	5/8/22	II	2	Examples
15	6/8/22	III	5	Examples
16	8/8/22	IV	5	Equation Homogeneous in x & y
17	10/8/22	V	1	Examples

Lesson Plan for Regular Class Work

S. No.	Date	D/O	P	Topics Planned - Unit II
1.	12/6/22	VII	2	Linear Equations with constant Coefficients
2.	16/8/22	I	5	Definitions
3.	17/8/22	II	8	Complementary function of a linear equation with constant coefficients
4.	18/8/22	III	5	Examples
5.	20/8/22	IV	5	Examples
6.	22/8/22	V	1	Particular Integral
7.	24/8/22	VII	2	Examples
8.	25/8/22	I	5	General Method of Finding P.I
9.	26/8/22	II	2	Examples
10.	29/8/22	III	5	Examples
11.	30/8/22	IV	5	Special method for Finding P.I
12.	1/9/22	V	1	Examples
13.	3/9/22	VII	2	Examples
14.	5/9/22	I	5	Linear Equation with Variable coefficients
15.	6/9/22	II	2	Examples
16.	7/9/22	III	5	Equation reducible to the linear equation
17.	8/9/22	IV	5	Examples
18.	9/9/22	V	1	Examples

Lesson Plan for Regular Class Work

Topics Planned - Unit III

S. No.	Date	D/O	P	
1.	13/9/22	VII	2	Simultaneous Equations of the 1 st order and 1 st degree -
2.	14/9/22	I	5	Simultaneous equation of the 1 st order and 1 st degree - Examples
3.	15/9/22	II	2	Examples
4.				Examples
5.	16/9/22	III	5	Examples
6.	17/9/22	IV	5	Simultaneous Linear ^{diff} Equation
7.	19/9/22	V	1	Examples
8.	21/9/22	VII	2	Examples
9.	22/9/22	I	5	Examples
10.	23/9/22	II	2	Examples
11.	26/9/22	III	5	Simultaneous equations with variable coefficients
12.	27/9/22	IV	5	Examples
13.	28/9/22	V	1	Examples
14.	30/9/22	VII	2	Examples
15.	1/10/22	I	5	Examples
16.	6/10/22	II	2	Exercise
17.	7/10/22	III	5	Exercise
18.	8/10/22	IV	5	Exercise

S. No.	Date	D/O	P	Topics Planned - Unit IV
1.	10/10/22	v	1	Linear eqn of the second Order
2.	12/10/22	vii	2	Complete solution given a known Integral
3.	13/10/22	i	5	Examples
4.	14/10/22	ii	2	Examples
5.	15/10/22	iii	5	Examples
6.	17/10/22	iv	5	Reduction to the normal forms
7.	18/10/22	v	1	Examples
8.	20/10/22	vii	2	Examples
9.	21/10/22	i	5	Examples
10.	22/10/22	ii	2	change the independent Variable
11.	26/10/22	iii	5	Examples
12.	27/10/22	iv	5	Examples
13.	28/10/22	v	1	Examples
14.	31/10/22	vii	2	Variation of Parameters
15.	1/11/22	i	5	Variation of Parameters
16.	2/11/22	ii	2	Methods of operating Factors
17.	3/11/22	iii	5	Examples
18.	4/11/22	iv	5	Examples
19.	5/11/22	v	1	Examples.

S. No.	Date	D/O	P	Topics Planned - Unit V
1.	8/11/22	VII	2	Partial Differential Equation of the 1 st order classification of Integral
2.	9/11/22	I	5	Classification of Integral
3.	10/11/22	II	2	Examples
4.	11/11/22	III	5	Derivation of Partial Differential Equation
5.	14/11/22	IV	5	Examples
6.	15/11/22	V	1	Examples
7.	17/11/22	VII	2	Examples
8.				Examples
9.				Lagrange's method of solving the linear Equation
10.				Examples
11.				Examples
12.				Examples
13.				Special Method
14.				Standard Forms
15.				Standard Form
16.				Charpit's Method
17.				Charpit's Method
18.				Charpit's Method

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ISO 9001 : 2015 Certified Institution Recognized by UGC under 2(F)& 12(B)

Kilakarai - 623 517, Ramanathapuram District.



LOG BOOK

(Theory)

Academic Year : 2022- 23

Semester : Odd / Even

Name of the Faculty : MS SKAVI PRIYA & Ms R GOWSALYA

Designation : ASSISTANT PROFESSORS

Department : ENGLISH

Programme : IMA

Course : COMPARATIVE LITERATURE

Course Code : HMEG12

Syllabus

Core II – Comparative Literature

(For Students Admitted from 2022-23)

KP RG
15+15

Semester: I

Subject Code: HMEGC12

KP-3 hrs

RG-3 hrs

Hours / Week: 6

Credit: 5

Course Objectives:

1. To demonstrate knowledge of world literary traditions and the continuing influence of those traditions on world cultures, as well as identify emergent global literary trends
2. To develop skills in literary analysis and critical writing, and apply comparative methodologies and literary theory to evaluate literary texts and other cultural products

Unit I RG

(18 hours)

Introduction

Introduction to Comparative Literature – History and its Development – Scope of comparative Literature- Methodology.

Unit II KP

(18 hours)

Schools of Comparative Literature

The French school - The American School - The Russian School - Indian School of Comparative Literature - Dravidian School.

Unit III KP

(18 hours)

Categories of Comparative Literature

1. Thematology
2. Reception
3. Influence
4. Genres

Unit IV RG

(18 hours)

Critical Essays

- Amiya Dev - Literary Theme and Comparative Literature
Alka Saxena - "A Comparative Study of American and Indo English Fiction in the Early Twentieth Century"
Veena Nare - "A Comparative Study of Mamta Kalia's Poem: "Tribute to Papa" and Sylvia Plath's "Daddy"

Unit V RG+KP

(18 hours)

Activity

Students are expected to do a comparative study on any two literary works across the world.

Course Outcomes:

After successful completion of this course, student will be able to

- CO 1: Understand the basic concepts in comparative literature
CO 2: Identify the theories involved in comparing the genres, works and styles
CO 3: Apply the theories of comparison to compare any literature across the world
CO 4: Critically analyze the works of comparative Literature
CO 5: Develop a comparative study on their own

Signature of the course Teacher:

B. Dhanesh
Signature of the class Represe.

Extract of College Working Days

Semester commences on : 24.08.2022

Semester ends on : 08.12.2022

S.No.	Month	No. of Working Days	Hours
			KP + RG
1.	AUGUST	05	02 + 01
2.	SEPTEMBER	24	11 + 11
3.	OCTOBER	21	09 + 09
4.	NOVEMBER.	24	10 + 10
5.	DECEMBER.	07	03 + 03
6.			
7.			
8.			
9.			
10.			
11.			
12.			

Total no. of hours required :

(For completing the Syllabus)

90

Total no. of hours available:

$$\begin{array}{ccc} \text{KP} & & \text{RG} \\ 35 & + & 34 = 69 \text{ hrs} \end{array}$$

Faculty Schedule for COMPARATIVE LITERATURE (name of the course)

Hour Time Day Order	I 09.10 am 10.05 am	II 10.20 am 11.15 am	III 11.15 am 12.10 pm	IV 12.10 pm 1.00 pm	V 01.55 pm 02.50 pm
I	KP				
II					RG
III					
IV					
V	RG				RG
VI			KP		
VII					KP

TEA
BREAK
LUNCH

An effective date : 24-08-2022

Revision No: 00

Lesson Plan for Regular Class Work

[illegible]

Lesson Plan for Regular Class Work

[illegible]

Lesson Plan for Regular Class Work

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Lesson Plan for Regular Class Work

[illegible]

Lesson Plan for Regular Class Work

[illegible]

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit V
1	-	II	5	Discussion - Selecting a work.
2	-	V	1	Discussion - Selecting a work.
3	-	V	5	Analysing the works selected.
4	-	II	5	Identifying scope of comparison.
5	-	V	1	Analysing the scope of analysing the work.
6	-	V	5	Identifying the elements to compare.
7	-	V	5	Selecting the topic.
8	-	V	1	Presenting the ideas after comparison.
9	-	V	5	Report submission.
1	-	VI	3	How to do a Comparative Study?
2	-	VII	5	Choosing a work and author.
3	-	I	1	Discussion on selected works.
4	-	II	3	Rough draft of the comparative study.
5	-	V	5	Discussion to prepare a final draft.
6	-	I	1	Correction.
7	-	VI	3	Correction.
8	-	VII	5	Presenting the prepared paper.
9	-	I	1	Revision.

Lesson Plan for Regular Class Work

[illegible]

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Kilakarai - 623 517, Ramanathapuram District.

LOG BOOK

(Theory)

Academic Year : 2022- 23

Semester : Odd / Even

Name of the Faculty : MS S HABEEB MOHAMED SATHAK AMINA

Designation : ASSISTANT PROFESSOR

Department : COMPUTER SCIENCE

Programme : II BCA

Course : DATA STRUCTURES AND ALGORITHM

Course Code : HBCPCA1

Syllabus

CORE VIII –DATA STRUCTURES AND ALGORITHM

(For those who joined since 2021-22)

Semester : IV

Subject Code :HBCPC41

Hours/week:5

Credit : 4

Course Outcomes:

CO 1: Understand basics of algorithms and data structures

CO 2: Know the basic concept and types of linked list and trees

CO 3: Acquire skill about graphs

CO 4: Gain knowledge about sorting and searching techniques

UNIT I

[15 Hours]

Introduction: History of Algorithm - Data structures and Algorithms - Data structure - Definition and Classification.

Stacks: Introduction - stack Operation - Application. **Queues:** Introduction - Operation - circular Queues - Other Types of Queues - Application.

UNIT II

[15 Hours]

Linked Lists: Introduction - Singly Linked Lists - Circularly Linked List - Doubly Linked List - Multiply Linked List - Application. **Trees and Binary Tress:** Introduction -Trees: Definition and

Syllabus

Basic Terminologies - Representation of Trees - Binary Tree Traversals - Threaded Binary Trees - Applications.

UNIT III

[15 Hours]

Graphs: Introduction-Definitions and Basic Terminologies - Representations of Graphs - Graph Traversals - Single-source & All pairs shortest paths problem - Minimum cost spanning trees.

Binary Search Trees and AVL Trees: Introduction - Binary Search Trees: Definition and Operations - AVL Trees: Definition and Operations - Applications.

UNIT IV

[15 Hours]

Red-Black Trees and Splay Trees: Red-Black Trees - Applications. **Hash Tables:** Introduction-Hash Table Structure - Hash Functions - Linear Open Addressing - Chaining - Applications.

Searching: Introduction - Linear Search - Transpose Sequential Search - Interpolation Search - Binary Search - Fibonacci Search - Other Search Techniques.

UNIT V

[15 Hours]

Internal Sorting: Introduction - Bubble Sort - Insertion Sort - Selection Sort - Merge Sort - Shell Sort

Quick Sort - Heap Sort - Radix Sort.

Algorithms: Algorithm Specification - Performance analysis - Asymptotic notation.

Text Book:

1. Vijayalakshmi Pai G A, **Data structures and Algorithms, Concepts, Techniques and Application**, Tata McGraw-Hill Education Pvt. Limited, New Delhi, 2008
2. Ellis Horowitz, Sartaj Sahni, Sanguthevar Rajasekaran, **Fundamentals of Computer Algorithms**, Second Edition, Universities Press, 2008

Reference Books:

3. Alfred V. Aho, John E. Hopcroft, Jeffrey D. Ullman, **Data Structures and Algorithms**, Dorling Kindersley (India) Pvt. Ltd., Noida, 2013
4. Patel R B, **Expert Data Structures with C**, Khanna Book Publishing Co.(p) Limited, New Delhi, Third Edition, 2000

Web References:

1. <https://www.gatevidyalay.com/algorithms/>
2. http://www.vssut.ac.in/lecture_notes/lecture1428551222
3. <https://lecturenotes.in/notes/17784-note-for-design-and-analysis-of-algorithm-daa-by-shekharesh-barik>
4. <https://aunotes.in/t/cs8451-design-and-analysis-of-algorithms-notes/939>
5. <https://www2.cs.duke.edu/courses/fall08/cps230/Book>

Hour	I	II	III	IV	V
Time	09.10 am	10.20 am	11.15 am	01.00 pm	01.55 pm
Day Order	10.05 am	11.15 am	12.10 pm	01.55 pm	02.50 pm
I			DSA		
II					
III					
IV		DSA			
V				DSA	
VI		DSA			
VII	DSA				

Revision No: 00

An effective date : 12.12.22

Lesson Plan for Regular Class Work

Topics Planned - Unit I

S. No.	Date	D/O	H	
1.	12/12/22	I	3	Orientation
2.	15/12/22	IV	2	Introduction: History of Algorithms, Data Structures & Algorithms
3.	16/12/22	V	4	Data Structure
4.	17/12/22	V	2	Definition & Classification.
5.	19/12/22	VII	1	Stacks: Introduction.
6.	20/12/22	I	3	Stack Operation
7.	23/12/22	IV	2	Application, Queues Introduction
8.	27/12/22	V	4	Queues Operations
9.	28/12/22	V	2	"
10.	29/12/22	VII	1	Circular Queues
11.	30/12/22	I	3	"
12.	4/1/23	IV	2	Other Type of Queues
13.	5/1/23	V	4	"
14.	6/1/23	VI	2	Application
15.	7/1/23	VII	1	Revision.

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Covered - Unit I	SS
1.	12/12/22	VII	1	Orientation	at
2.	24/12/22	I	3	Introduction: History of Algorithms, Data Structures & Algorithms	Santhosh
3.	23/12/22	IV	2	Data Structure, Definition & classification.	A. K. S.
4.	27/12/22	V	4	Stacks: Introduction	R. M. S.
5.	28/12/22	VI	2	Stack Operation	R. M. S.
6.	29/12/22	VII	1	Application, Queues: Introduction	Santhosh
7.	30/12/22	I	3	Queue Operations	S. S.
8.	4/1/23	IV	2	"	S. S.
9.	5/1/23	V	4	Circular Queues	R. M. S.
10.	7/1/23	VI	2	Other Type of Queues	A. K. S.
11.	9/1/23	VII	1	"	Santhosh
12.	10/1/23	I	3	Application.	Santhosh
13.	20/1/23	IV	2	"	S. S.

Signature of the HOD :

Santhosh

Topics Planned - Unit II

S. No.	Date	D/O	H	
1.	9/1/23	I	3	Introduction: Linked Lists.
2.	12/1/23	IV	2	Singly Linked Lists
3.	13/1/23	V	4	Circularly linked Lists
4.	18/1/23	VI	2	"
5.	19/1/23	VII	1	Doubly Linked Lists
6.	20/1/23	I	3	Multiply Linked Lists
7.	24/1/23	IV	2	Application
8.	25/1/23	V	4	Trees & Binary Trees: Introduction: Trees
9.	27/1/23	VI	2	Definition & Basic Terminologies
10.	28/1/23	VII	1	Representation of Trees
11.	30/1/23	I	3	"
12.	02/2/23	IV	2	Binary Tree Traversals
13.	03/2/23	V	4	"
14.	4/2/23	VI	2	Threaded Binary Trees
15.	6/2/23	VII	1	Applications

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Covered - Unit II	SS
1.	21/1/23	V	4	Introduction: Linked Lists	✓
2.	23/1/23	VI	2	Singly Linked Lists	3.8
3.	24/1/23	VII	1	Circularly linked Lists	✓
4.	25/1/23	I	3	"	✓
5.	30/1/23	IV	2	Doubly Linked Lists	✓
6.	31/1/23	V	4	Multiply Linked Lists	✓
7.	1/2/23	VI	2	Application	✓
8.	2/2/23	VII	1	Trees & Binary Trees: Introduction: Trees	✓
9.	3/2/23	I	3	Definition & Basic Terminologies	✓
10.	8/2/23	IV	2	Representation of Trees	✓
11.	9/2/23	V	4	"	✓
12.	10/2/23	VI	2	Binary Tree Traversals	✓
13.	13/2/23	VII	1	"	✓
14.	14/2/23	I	3	Threaded Binary Trees	✓
15.	17/2/23	IV	2	Applications	✓

Signature of the HOD : Senthil

Lesson Plan for Regular Class Work

Topics Planned - Unit III

S. No.	Date	D/O	H	
1.	7/2/23	I	3	Graphs: Introduction
2.	10/2/23	IV	2	Definitions and Basic Terminologies
3.	13/2/23	V	4	Representation of graphs
4.	14/2/23	VI	2	Graph Traversals
5.	15/2/23	VII	1	Single source & All Pairs shortest path problems
6.	16/2/23	I	3	"
7.	20/2/23	IV	2	Minimum Cost Spanning Trees
8.	21/2/23	V	4	"
9.	22/2/23	VI	2	Introduction
10.	23/2/23	VII	1	Binary Search Trees: Definitions & Operations
11.	24/2/23	I	3	"
12.	01/3/23	IV	2	AVL Trees: Definition & Operations
13.	2/3/23	V	4	"
14.	3/3/23	VI	2	Applications
15.	4/3/23	VII	1	Revision

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Covered - Unit III	SS
1.	18/2/23	V	4	Graphs: Introduction	R.D.
2.	20/2/23	VI	2	Definitions & Basic Terminologies	R.D.
3.	21/2/23	VII	1	Representation of graphs	R.D.
4.	22/2/23	I	3	Graph Traversals	R.D.
5.	27/2/23	IV	2	Single source & All pairs shortest path problems	R.D.
6.	1/3/23	V	4	"	R.D.
7.	2/3/23	VI	2	Minimum Cost Spanning Trees	R.D.
8.	3/3/23	VII	1	"	R.D.
9.	4/3/23	I	3	Introduction	R.D.
10.	8/3/23	IV	2	Binary Search Trees: Definitions & Operations	R.D.
11.	9/3/23	V	4	"	R.D.
12.	10/3/23	VI	2	AVL Trees: Definition & Operations	R.D.
13.	13/3/23	VII	1	"	R.D.
14.	4/3/23	I	3	Applications	R.D.

Signature of the HOD :

[Signature]

S. No.	Date	D/O	H	
1.	6/3/23	I	3	Red Black Trees
2.	10/3/23	II	2	Applications
3.	10/3/23	I	4	Introduction
4.	13/3/23	VI	2	Hash Table Structure
5.	14/3/23	VII	1	Hash Functions
6.	15/3/23	I	3	Linear Open Addressing
7.	16/3/23	IV	2	Chaining
8.	20/3/23	V	4	Applications
9.	21/3/23	VI	2	Introduction
10.	23/3/23	VII	1	Linear Search
11.	24/3/23	I	3	Transpose Sequential Search
12.	29/3/23	IV	2	Interpolation Search
13.	30/3/23	V	4	Binary Search
14.	31/3/23	VI	2	Fibonacci Search
15.	1/4/23	VII	1	Other Search Techniques.

S. No.	Date	D/O	H	Topics Covered - Unit IV	SS
1.	17/3/23	IV	2	Red Black Trees	A. S. S. S.
2.	18/3/23	V	4	Applications	R. S. S. S.
3.	20/3/23	VI	2	Introduction	S. S. S. S.
	21/3/23	VII	1	Students went to (NMS) Association	Real
4.	28/3/23	I	3	Hash Table Structure	S. S. S. S.
5.	29/3/23	I	3	Hash Functions	S. S. S. S.
6.	29/3/23	II	2	Linear Open Addressing	J. S. S. S.
7.	29/3/23	IV	4	Chaining	S. S. S. S.
8.	30/3/23	V	2	Applications	R. S. S. S.
9.	30/3/23	VI	5	Introduction & Linear Search	S. S. S. S.
10.	31/3/23	VII	1	Transpose Sequential Search	S. S. S. S.
				Interpolation Search	
11.	31/3/23	VII	5	Binary Search	S. S. S. S.
12.	3/4/23	I	3	Fibonacci Search	S. S. S. S.
				Other Search Techniques.	

Signature of the HOD :

S. S. S. S.

Lesson Plan for Regular Class Work

Topics Planned - Unit V			
S. No.	Date	D/O	H
1.	3/4/23	I	3
2.	10/4/23	IV	2
3.	11/4/23	V	4
4.	12/4/23	VI	2
5.			
6.			
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15.			

Lesson Plan for Regular Class Work

[illegible]

Signature of the HOD :

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit I
1.	18/07/16	I	1	Introduction about Unit I.
2.	20/07/16	II	5	Principles of diet planning
3.	21/07/16	III	1	Nutritional Care process
4.	26/07/16	IV	1	Basic Concepts of diet therapy.
5.	26/07/16	V	3	Therapeutic adaptations of normal diet
6.	28/07/16	VI	1	Principles of therapeutic diets.
7.	29/07/16	VI	5	Routine Hospital diet of clear fluid diet
8.	30/07/16	VI	1	Full fluid diet.
9.	03/08/16	VI	1	Soft diet
10.	03/08/16	VI	3	Normal diet for as per the age group.
11.	04/08/16	VI	1	Pre-operative diet.
12.	04/08/16	VI	5	Post-operative diet.
13.	05/08/16	VI	1	Special feeding techniques of Parenteral Nutrition.
14.	12/08/16	VII	1	Special feeding techniques of Enteral feeding.
15.	15/08/16	VII	3	Role of dietitians in Nutritional Care and planning diet counseling.

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Covered - Unit I	SS
1.	18/07/16	VI	1	Introduction about Unit-I.	4/1
2.	20/07/16	VII	5	Principles of diet planning	5/1
3.	25/07/16	VIII	1	Nutritional Care Process	10/2
4.	25/07/16	VII	3	Basic Concepts of diet therapy	2/1
5.	28/07/16	VII	5	Therapeutic adaptations of normal diet	8/5
6.	28/07/16	VII	3	Principles of therapeutic diets	9/2
7.	29/07/16	I	1	Routine Hospital diet of clear fluid diet	10/1
8.	29/07/16	I	1	Full fluid diet	10/2
9.	29/07/16	I	1	Soft diet	9/3
10.	02/08/16	III	5	Normal diet for as per the age group	10/1
11.	02/08/16	IV	5	Pre-operative diet	10/1
12.	02/08/16	IV	5	Post-operative diet	10/1
13.	03/08/16	IV	1	Special Feeding techniques of Parenteral Nutrition	10/1
14.	03/08/16	IV	1	Special Feeding techniques of Enteral Feeding	10/1
15.	05/08/16	VII	1	Role of dietitians in Nutritional Care and planning diet counseling	10/1

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit II
1.	16/08/23	I	1	Introduction to Unit - II
2.	16/08/23	II	5	Introduction to Obesity
3.	20/08/23	IV	1	Aetiology of Obesity
4.	24/08/23	VII	1	Assessment of Obesity
5.	24/08/23	VII	3	Types of Obesity
6.	25/08/23	I	1	Complications of Obesity
7.	29/08/23	III	5	Principles of diet & food should be included and avoided for obesity
8.	30/08/23	IV	1	Dietary Management of Obesity
9.	03/09/23	VII	1	Treatment for obesity
10.	03/09/23	VII	3	Define of Underweight
11.	05/09/23	I	1	Aetiology of Underweight
12.	07/09/23	III	5	Limitations of Underweight
13.	08/09/23	IV	1	Complications of Underweight
14.	13/09/23	VII	1	Principles & food should be included for Underweight
15.	13/09/23	VII	3	Dietary Management of Underweight

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Covered - Unit II	SS
1.	16/08/23	III	3	Introduction to Unit - II	Self
2.	16/08/23	III	3	Introduction to Obesity	Self
3.	08/09/23	I	1	Aetiology of Obesity	Self
4.	08/09/23	I	1	Assessment of Obesity	M.S.
5.	08/09/23	I	1	Types of Obesity	Self
6.	11/09/23	III	5	Complications of Obesity	Self
7.	14/09/23	III	5	Principles of diet & food should be included and avoided for obesity	Self
8.	13/09/23	IV	1	Dietary Management of Obesity	Self
9.	13/09/23	IV	1	Treatment for Obesity	Self
10.	17/09/23	IV	3	Define of Underweight	R.K.
11.	17/09/23	IV	1	Aetiology of Underweight	Self
12.	17/09/23	IV	1	Limitations of Underweight	Self
13.	17/09/23	IV	3	Complications of Underweight	Self
14.	17/09/23	VII	3	Principles of food should be included for Underweight	Self
15.	17/09/23	VII	3	Dietary Management of Underweight	Self

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit III
1.	14/09/12	T	1	Introduction, Causes and dietary Management for PEM.
2.	16/09/12	W	5	Causes, treatment and dietary Management for Vit-A deficiency.
3.	17/09/12	Th	1	Causes, types and dietary management for Anaemia.
4.	21/09/12	W	1	Causes, symptoms and dietary management for typhoid.
5.	21/09/12	W	3	Causes, symptoms and dietary management for Malaria.
6.	22/09/12	F	1	Causes, symptoms and dietary management for tuberculosis.
7.	26/09/12	Th	5	Metabolic changes in fever.
8.	27/09/12	Th	1	Types of fever.
9.	30/09/12	W	1	Dietary management for fever.
10.	30/09/12	W	3	Food should be included and avoided for fever condition.
11.	01/10/12	T	1	Symptoms for PEM.
12.	01/10/12	Th	5	Symptoms for Vitamin - A deficiencies.
13.	02/10/12	Th	1	Programmes for Vit-A & Anaemia.
14.	12/10/12	W	1	Symptoms for different types of Anaemia.
15.	12/10/12	W	3	Treatment for different types of Anaemia & Vit-A deficiencies.

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Covered - Unit III	SS
AB1	23/09/12	Th	5	Introduction, causes and dietary Management for PEM.	slf
SB	24/09/12	Th	1	Causes, treatment and dietary Management for Vit-A deficiency.	slf
3.	24/09/12	W	1	Causes, types and dietary management for Anaemia.	slf
4.	24/09/12	W	3	Causes, symptoms and dietary management for typhoid.	slf
5.	24/09/12	Th	1	Causes, symptoms and dietary management for Malaria.	slf
6.	24/09/12	Th	5	Causes, symptoms and dietary management for tuberculosis.	slf
7.	24/09/12	Th	5	Metabolic changes in fever.	slf
8.	02/10/12	Th	1	Types of fever.	slf
9.	02/10/12	Th	1	Dietary Management for fever.	slf
10.	02/10/12	Th	3	Food should be included and avoided for fever condition.	slf
11.	06/10/12	W	1	Symptoms for PEM.	slf
12.	06/10/12	W	1	Symptoms for Vit-A deficiencies.	slf
13.	06/10/12	W	3	Programmes for Vit-A & Anaemia.	slf
14.	06/10/12	W	3	Symptoms for different types of Anaemia.	slf
15.	07/10/12	Th	1	Treatment for different types of Anaemia & Vit-A deficiencies.	slf

Signature of the HOD: for duty

Lesson Plan for Regular Class Work

Topics Planned - Unit IV

S. No.	Date	D/O	H	Topics Planned - Unit IV
1.	13/10/22	3	1	Introduction to Gastrointestinal Tract & Diseases
2.	15/10/22	III	5	Peptic Ulcer - Aetiology, Symptoms, Complications and its dietary Management
3.	17/10/22	IV	1	Gastritis - Aetiology, Symptoms, Complications and its dietary Management
4.	19/10/22	VII	1	Constipation - Aetiology, Symptoms, Complications and its dietary Management
5.	21/10/22	VII	3	Diverticulosis - Aetiology, Symptoms, Complications and its dietary Management
6.	23/10/22	I	1	Diarrhoea - Aetiology, Types, Symptoms, Complications and its dietary Management
7.	25/10/22	IV	5	Malabsorption syndrome - Aetiology, Symptoms, Complications and its dietary Management
8.	27/10/22	IV	1	Celiac Sprue - Aetiology, Symptoms, Complications and its dietary Management
9.	29/10/22	VII	1	Tropical Sprue - Aetiology, Symptoms, Complications and its dietary Management
10.	31/10/22	VII	3	Lactose intolerance - Aetiology, Symptoms, Complications and its dietary Management
11.	02/11/22	I	1	Inflammatory Bowel Disease - Aetiology, Symptoms, Complications and its dietary Management
12.	04/11/22	III	5	Parasitic Bowel Syndrome - Aetiology, Symptoms, Complications and its dietary Management
13.	06/11/22	III	1	Probiotic for GI diseases.
14.	08/11/22	VII	1	Prebiotic for GI diseases.

Lesson Plan for Regular Class Work

Topics Covered - Unit IV

S. No.	Date	D/O	H	Topics Covered - Unit IV	SS
1.	09/10/22	VII	1	Introduction to gastrointestinal Tract & diseases.	Handwritten
2.				Peptic Ulcer - Aetiology, Symptoms, Complications and its dietary Management	Handwritten
3.				Gastritis - Aetiology, Symptoms, Complications and its dietary Management	Handwritten
4.	09/10/22	VII	1	Constipation - Aetiology, Symptoms, Complications and its dietary Management	Handwritten
5.	07/10/22	VII	3	Diverticulosis - Aetiology, Symptoms, Complications and its dietary Management	Handwritten
6.	08/10/22	I	1	Diarrhoea - Aetiology, Symptoms, Complications and its dietary Management	Handwritten
7.	11/10/22	III	5	Malabsorption syndrome - Aetiology, Symptoms, Complications and its dietary Management	Handwritten
8.	12/10/22	IV	1	Celiac Sprue - Aetiology, Symptoms, Complications and its dietary Management	Handwritten
9.	15/10/22	VII	1	Tropical Sprue - Aetiology, Symptoms, Complications and its dietary Management	Handwritten
10.	15/10/22	VII	3	Lactose intolerance - Aetiology, Symptoms, Complications and its dietary Management	Handwritten
11.	07/10/22	VII	1	Inflammatory bowel disease - Aetiology, Symptoms, Complications and its dietary Management	Handwritten
12.	27/10/22	VII	3	Parasitic bowel syndrome - Aetiology, Symptoms, Complications and its dietary Management	Handwritten
13.	27/10/22	VII	3	Probiotic & Prebiotic for GI diseases and its importance	Handwritten
14.	08/10/22	I	1	Behavioural changes for GI diseases	Handwritten

HASSIM BEEVI ABDOL KADER COLLEGE FOR WOMEN

Kilakerali, Ramanathapuram District 623 517

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LOG BOOK

(Theory)

Academic Year : 2022-23

Semester : Odd / Even

Name of the Faculty : J. SATHYA

Designation : ASSISTANT PROFESSOR & HEAD

Department : HINDI

Programme : PART I - HINDI LANGUAGES

Section : ARTS

Subject : GENERAL HINDI I

Subject Code : TBLHI I

General Hindi I
(For Students Admitted from 2022-23)

Semester: I

Subject Code: 104H11

Hours/Week: 5
Credit: 3

Course Objectives:

1. To write and speak proficiently in Hindi
2. To improve the spoken Hindi with correct pronunciation

Unit I

(15 hours)

Vowels – Consonants – Vowel sounds (Barah kadi) -Vocabularies (50)

Unit II

(18 hours)

Lesson 1- यह..... वह..... क्या है?

Lesson 2- मैं... पर... कहाँ है?

Lesson 3- यहाँ है।, वहाँ है।

Lesson 4- मैं हूँ, तुम हो।, हम हैं।, आप हैं।, वे हैं।

Lesson 5- आओ... आइए

Unit III

(15 hours)

Hindi Numerals 1-100 – Proverbs (10)

Unit IV

(15 hours)

Conversation: In shop - In hospital - In playground

Unit V

(12 hours)

Bhinnarth - 10, Comprehension -3 (General)

Course Outcomes:

After successful completion of this course, student will be able to

CO1: Find the Hindi alphabet and outline in Hindi text

CO2: Practice the grammatical sentence in day today life.

CO3: Identify the Hindi numerals and other words.

CO4: Improve the conversation in different situation.

CO5: Develop comprehension skill through simple passage.

Text book:

Course material - General Hindi I, Department of Hindi. TBAKC

References:

Hindi Prachar Vahini 1, Dakshina Bharath Hindi Prachar Sabha, Chennai Hindi Prachar Press, Chennai, 2019

Hindi Prachar Vahini 3, Dakshina Bharath Hindi Prachar Sabha, Chennai Hindi Prachar Press, Chennai 2019

Bolchal Hindi. Sabari Shiksha Sansthan, Selam, 2017

Extract of College Working Days

Semester begins on : 18.07.2022

Semester ends on : 08.02.2022

Last working date (for completion of Syllabus) : 08.12.22

S.No.	Month	No. of Working Days	No. of Periods
1.	AUGUST	04	09
2.	SEPTEMBER	16	11
3.	OCTOBER	15	14
4.	NOVEMBER	18	17
5.	DECEMBER	05	05
6.			
7.			
8.			
9.			
10.			
11.			
12.			

Total no. of periods required : 75 hours
(For completing the Syllabus)

Total no. of periods available : 47 hours
(For completing the Syllabus)

Course Allocation Schedule

Period → Day Order ↓ Time →	VAP	I	II	III	IV	V	*
I	CC	NME		part 1 ARTS		Part -1 Science	
II		NME		"		"	
III	CC	NME		"		"	
IV		NME		"		"	
V	CC			"		"	
VI							

VAP - Value Added Programme

Revision no : 00

Effective date : 18-07-22

Lesson Plan for Regular-Class Work

Topics Planned - Unit 1

Topics Planned - Unit 1				
S. No.	Date	D/O	P	
1	25.8.22	I	III	Subject Orientation
2	26.8.22	II	III	Subject Orientation
3	29.8.22	III	III	293
4	30.8.22	IV	III	2912
5	1.09.22	V	III	21111
6	5.9.22	T	III	21111
7	6.9.22	II	III	21111
8	7.9.22	III	III	2112 2051
9	8.9.22	IV	III	2051 2051
10	9.9.22	V	III	21 21112 2112
11	14.9.22	T	III	211 21112 2112
12	15.9.22	II	III	211 21112 2112
13	16.9.22	III	III	211 21112 2112
14	17.9.22	IV	III	211 21112 2112
15	19.9.22	V	III	211 21112 2112

Lesson Plan for Regular-Class Work

S. No.	Date	D/O	P	Topics Planned - Unit II
1	22.9.22	I	II	418 - 1 214 - - - 418 - - - 421 1
2	23.9.22	II	III	418 - 1 214 - - - 418 - - - 421 1
3	26.9.22	III	III	418 - 1 31 31121
4	27.9.22	IV	III	418 - 2 31 312 401 39403
5	28.9.22	V	III	418 - 2 40 31
6	1.10.22	I	III	418 - 2 40 31 39403
7	6.10.22	II	III	418 - 3 39403 1
8	7.10.22	III	III	418 - 3 39403 1
9	8.10.22	IV	III	418 - 3 40 31 39403 1
10	10.10.22	V	III	418 - 3 40 31 39403 1
11	13.10.22	I	III	418 - 4 40 31 39403 1
12	14.10.22	II	III	418 - 4 40 31 39403 1
13	15.10.22	III	III	418 - 4 40 31 39403 1
14	17.10.22	IV	III	418 - 4 40 31 39403 1
15	18.10.22	V	III	418 - 5 40 31 39403 1
16	21.10.22	I	III	418 - 5 40 31 39403 1
17	22.10.22	II	III	418 - 5 40 31 39403 1
18	26.10.22	III	III	418 - 5 40 31 39403 1

Lesson Plan for Regular-Class Work

S. No.	Date	D/O	P	Topics Planned - Unit III
1	27.10.22	IV	III	21-2011 - 1-10
2	28.10.22	V	III	" 11-20
3	1.11.22	VI	III	" 21-30
4	2.11.22	VII	III	" 31-40
5	3.11.22	VIII	III	" 41-50
6	4.11.22	IX	III	" 51-60
7	5.11.22	X	III	" 61-70
8	9.11.22	XI	III	" 71-80
9	10.11.22	XII	III	" 81-90
10	11.11.22	XIII	III	" 91-100
11	14.11.22	XIV	III	பொது - 1, 2
12	15.11.22	XV	III	பொது - 3, 4
13	18.11.22	VI	III	பொது - 5, 6
14	19.11.22	VII	III	பொது - 7, 8
15	21.11.22	VIII	III	பொது - 9, 10

Lesson Plan for Regular-Class Work

Topics Planned - Unit IV				
S. No.	Date	D/O	P	
1	22.1.22	IV	III	ભાતરોત - રૂબોત ૫૨
2	23.1.22	V	III	ભાતરોત - " "
3	28.1.22	T	III	" " "
4	29.1.22	VI	III	" " "
5	30.1.22	III	III	" "
6	1.2.22	IV	III	ભાતરોત 3124000 ૫૨
7	2.2.22	V	III	" "
8	6.2.22	VI	III	" "
9	7.2.22	VI	III	" "
10	8.2.22	III	III	રોમક રોરોત ૫૨ - ભાતરોત
11			III	" "
12			III	" "
13			III	" "
14			III	" "
15			III	" "

Lesson Plan for Regular-Class Work

Topics Planned - Unit V				
No.	Date	D/O	P	
1			III	19/11/21 - 1, 2
2			III	19/11/21 - 3, 4
3			III	19/11/21 - 5, 6
4			III	19/11/21 - 7, 8
5			III	19/11/21 - 9, 10
6			III	19/11/21 - 1 - 10
7			III	19/11/21 - 1
8			III	" - 1
9			III	" - 2
10			III	" - 2
11			III	19/11/21 - 3
12			III	19/11/21 - 3

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Kilakarai - 623 517, Ramanathapuram District.



LOG BOOK

(Practical)

Academic Year : 2022- 23

Semester : Odd / Even - VII

Name of the Faculty : Ms. K. GRANISHKA

Designation : ASSISTANT PROFESSOR

Department : Home Science & Nutrition & Dietetics

Programme : BSc. (3rd yr).

Course : Food Adulteration Practicals

Course Code : GBNDE65P

Skill Based Elective VI-Food Adulteration Practicals
(For those who joined since 2020-21)

Semester: VI
Subject Code: GBNDE65P

Hour/week: 3
Credits : 2

Course outcomes:

After successful completion of this course, students will be able to

- CO1: Educate about common food adulterants and their detection.
CO2: Impart knowledge in the legislator aspects of adulteration.
CO3: Educate about standards and composition of foods and role of consumer.

LIST OF EXPERIMENTS:

Unit – I

(9 Hours)

1. Detection of Vanaspati in ghee or butter.
2. Detection of Kasserri flour in basin (gram flour).
3. Detection of metanil yellow in turmeric.

Unit – II

(9 Hours)

4. Detection of aregmone oil in edible oil.
5. Detection of chicory in coffee.
6. Detection of adulteration in milk.

Unit – III

(9 Hours)

7. Detection of adulteration in spices.
8. Detection of adulteration in honey.
9. Detection of adulteration in grains/grain based flours.

Unit – IV

(9 Hours)

10. Testing adulteration of cereal and cereal products
11. Testing adulteration of pulses
12. Testing adulteration of sugars & Preserves

Unit – V

(9 Hours)

13. Testing adulteration of Beverages.
14. Testing adulteration of condiments
15. Testing adulteration of Honey

Text Books

1. Pearson, D, The chemical analysis of foods (No. Ed. 7). Longman Group Ltd. 1976.
2. Reilly, C Metal contamination of food: its significance for food quality and human health. John Wiley & Sons. 2008.
3. Madhavi, D. L., Deshpande, S. S., & Salunkhe, D. K. Food antioxidants: Technological: Toxicological and health perspectives. CRC Press, 1995.

Reference Books

1. Ranganna, S. second edition. Handbook of Analysis; QC for Fruits & Vegetable Products, Publisher McGraw Hill, 2014.
2. E.M. Master; Standard Methods for examination of Dairy Products Jacob; Chemical methods of Food Analysis, 2015.

Journals

1. Journal of the International Society of Sports Nutrition
2. Journal of Sports Medicine
3. Clinical Journal of Sports medicine

Extract of College Working Days

Semester commences on : 12/12/2022 Semester ends on : 18/4/2023

S.No.	Month	No. of Working Days	Hours
1.	December.	15	6
2.	January	22	9
3.	February	22	9
4.	March	24	9
5.	April.	7	3
6.			
7.			
8.			
9.			
10.			
11.			
12.			

Total no. of hours required : 45
(For completing the Experiments / Exercise)

Total no. of hours available: 36
(For completing the Experiments / Exercise)

Laboratory Schedule for Ms. J. GANISHUKA (Food Administration (name of the course))

Practicals

Hour	I	II	III	IV	V
Time	09.10 am -	10.20 am -	11.15 am -	01.00 pm -	01.55 pm -
Day Order	10.05 am	11.15 am	12.10 pm	01.55 pm	02.50 pm
I	TEA BREAK				
II					
III					
IV	LUNCH				
V					
VI					
VII	FAP (RG)				

Revision No: 010

An effective date: 15/12/2022

Experiments / Exercises Planned

S. No.	Date	D/O	H	B	Experiments / Exercises Planned
1.	15/12/22	W	2	1,2	Food Adulteration - Introduction
2.	15/12/22	W	3	1,2	Detection of Vanaspathi in ghee
3.	15/12/22	W	5	1,2	Observation & Interpretation
4.	23/12/22	W	2	1,2	Detection of kesari flour in Besan flour
5.	23/12/22	W	3	1,2	- do -
6.	23/12/22	W	5	1,2	Record Work
7.	5/1/23	W	2	1,2	Detection of metanil yellow in ferrous
8.	5/1/23	W	3	1,2	- do -
9.	5/1/23	W	5	1,2	Record work.
10.	12/1/23	W	2	1,2	Detection of dargemone oil in edible oil.
11.	12/1/23	W	3	1,2	- do -
12.	12/1/23	W	5	1,2	Record work.
13.	24/1/23	W	2	1,2	Detection of chicory in coffee

Experiments / Exercise Covered

S. No.	Date	D/O	H	B	Experiments / Exercises Covered	SS
1.	15/12	IV	2	1,2	Food Adulteration Introduction	L. J. H.
2.	15/12	IV	3	1,2	Detection of Vanaspathi in oil	M. P. H.
3.	15/12	IV	5	1,2	Record Work - Result discussion	Safa.
4.	23/12	IV	2	1,2	Detection of Kesari flour in	Sh. J. H.
5.	23/12	IV	3	1,2	Besan flour.	Sh. J. H.
6.	23/12	IV	5	1,2	Record Work - Result Discussion.	Nashik
7.	4/1/1	IV	2	1,3	Detection of metal yellow in	Sh. J. H.
8.	4/1/1	IV	3	1,4	Luminescence	Fathima
9.	4/1/1	IV	5	1,2	Record Work - Result Discussion.	Sh. J. H.
10.	20/1	IV	2	1,2	Detection of Argemone oil in edible oil	Sh. J. H.
11.	20/1	IV	3	1,2	Detection of cherry in coffee	P. K. H.
12.	20/1	IV	5	1,2	Record Work - Result Discussion of both Experiments	Sh. J. H.
13.	30/1	IV	2	1,2	CIP - 2 exam conducted.	Sh. J. H.
14.	30/1	IV	3	1,2	General Discussion: Viva Voce.	P. K. H.
15.	30/1	IV	5	1,2	Record Work.	Sh. J. H.
16.	8/2	IV	2	1,2	Detection of adulteration of Milk.	Sh. J. H.
17.	8/2	IV	3	1,2	Detection of adulteration in Spices and Condiments.	Sh. J. H.
18.	8/2	IV	5	1,2	Record Work - Result Discussion of both Experiments.	Sh. J. H.
19.	17/2	IV	2	1,2	Attention.	Sh. J. H.
20.	17/2	IV	3	1,2		Sh. J. H.

Signature of the HOD :

S. No.	Date	D/O	H	B	Experiments / Exercises Planned
14.	24/1/23	IV	3	1,2	- do -
15.	24/1/23	IV	5	1,2	Record Work - Result discussion
16.	29/1/23	IV	2	1,2	Detection of Adulteration in
17.	02/2/23	IV	3	1,2	Milk
18.	02/2/23	IV	5	1,2	Record Work. Result discussion
19.	10/2/23	IV	2	1,2	Detection of Adulteration in Spices.
20.	10/2/23	IV	3	1,2	- do -
21.	10/2/23	IV	5	1,2	Record Work - Result discussion.
22.	20/2/23	IV	2	1,2	Detection of Adulteration in Honey.
23.	20/2/23	IV	3	1,2	- do.
24.	20/2/23	IV	5	1,2	Record Work - Result discussion
25.	01/3/23	IV	2	1,2	Detection of Adulteration in
26.	01/3/23	IV	3	1,2	Cereal and Cereal products.
27.	01/3/23	IV	5	1,2	Record Work - Result Discussion.
28.	9/3/23	IV	2	1,2	Detection of adulteration in pulses
29.	9/3/23	IV	3	1,2	- do -
30.	9/3/23	IV	5	1,2	Record Work - Result discussion
31.	18/3/23	IV	2	1,2	Detection of adulteration in Oils.
32.	18/3/23	IV	3	1,2	- do -
33.	18/3/23	IV	5	1,2	Record Work - Result discussion
34.	20/3/23	IV	2	1,2	Detection of adulteration in Beverages.
35.	23/3/23	IV	3	1,2	- do -
36.	29/3/23	IV	5	1,2	Record Work. Result Discussion.
37.	1/4/23	IV	2	1,2	Record Submission & Correction
38.	1/4/23	IV	3	1,2	Record Submission & Correction
39.	1/4/23	IV	5	1,2	Overall Summation.

Experiments / Exercise Covered

S. No.	Date	D/O	H	B	Experiments / Exercises Covered	SS
21.	17/2	IV	5	1,2	Internship - Students in college.	gaily
22.	20/2	IV	2	1,2		gaily
23.	29/2	IV	3	1,2	Student went to Internship	gaily
24.	27/2	IV	5	1,2	training programme.	gaily
25.	8/3	IV	2	1,2	C.P.A. Exam in <u>Therapeutics Honey</u>	gaily
26.	8/3	IV	3	1,2	Detection of adulteration in cereals and cereal products.	gaily
27.	8/3	IV	5	1,2	Detection of adulteration in <u>cf. B.C. Honey</u>	gaily
28.	18/3	IV	2	1,2	Detection of adulteration in pulses.	gaily
29.	18/3	IV	3	1,2	Detection of adulteration in Sugars & Preserves	gaily
30.	18/3	IV	5	1,2	Record block. Results were discussed.	gaily
31.	28/3	IV	2	1,2	C.P.A. - III - Internal Exam	gaily
32.	28/3	IV	3	1,2	Detection of adulteration in <u>Bonewares</u>	gaily
33.	28/3	IV	5	1,2	Result discussed. Record block.	gaily
34.	1/4/2025				Record Submission & Correction.	gaily
35.	10/4	IV	2	1,2	B.S.E. - External Practical Exam.	gaily
36.	10/4	IV	3	1,2		gaily
37.	10/4	IV	5	1,2		gaily

Signature of the HOD :



Accredited by NAAC with 'A' Grade (CGPA 3.16)

ISO 9001 : 2015 Certified Institution Recognized by UGC under 2(F)& 12(B)

Kilakarai - 623 517, Ramanathapuram District.



LOG BOOK

(Theory)

Academic Year : 2022- 23

Semester : [✓] Odd / Even

Name of the Faculty : M. Thowhith

Designation : Tutor

Department : Arabic & Islamic Studies

Programme : IB.A Arabic

Course : Arabic Grammar-I

Course Code : IBARCI2

Syllabus

Core II - Arabic Grammar I

(For Students Admitted from 2022-23)

Semester: I

Subject Code: IBARC12

Hours /week: 6

Credit :5

Course Objectives:

1. To impart the knowledge of fundamentals of Arabic
2. To make the students understand the unique nature and function of various Arabic structures

Unit I		(18 hours)
Lesson 1	Nahw (Introduction)	
Lesson 2	Ism according to Asl	
Lesson 3	Ism according to jins (gender)	
Unit II		(18 hours)
Lesson 4	Ism according to Ma'rifa & Nakira	
Lesson 5	Ism according to number	
Unit III		(18 hours)
Lesson 6	I'rab	
Lesson 7	Ism Ishara	
Lesson 8	Ism Mausul	
Unit IV		(18 hours)
Lesson 9	Sarf	
Lesson 10	Fi'l	
Lesson 11	Fil Madi	
Unit V		(18 hours)
Lesson 12	Fi'l Mudari	
Lesson 13	Nafi Ba Lam	
Lesson 14	Nafi Takeed Ba Lan	
Lesson 15	Words and meaning	

Course Outcomes:

After successful completion of this course, student will be able to

CO 1: Tell new vocabularies and explain the grammar of Arabic language

CO 2: Apply the grammatical concepts

CO 3: Analyze the phrase construction of English and Arabic

CO 4: Visualize the translation of simple sentences from Arabic to English and vice versa

CO 5: Assess & understand the grammatical concepts through classroom conversation

Text Book:

1. Mohammad Ghayasul Islam Rahmani, *Mullim –ul-Lughatil Arabiah*, Arabic Grammar 2, MESCO MEDIA, Hyderabad, 2013.

Unit I, II & III (01to33), Unit IV & V (91to118)

reference Books:

1. Rahman S A, *Teach Yourself Arabic*, Delhi, Goodword Books, 2021.
2. Dr. Hamza Imran, *Gateway to Arabic (Book I)*, Chennai, Darul Huda, 2004

Extract of College Working Days

Semester commences on : 24.8.22

Semester ends on : 8.12.22

S.No.	Month	No. of Working Days	Hours
1.	August	5	4
2.	September	24	21
3.	October	21	18
4.	November	23	19
5.	December.	7	6
6.			
7.			
8.			
9.			
10.			
11.			
12.			

Total no. of hours required :
(For completing the Syllabus)

90 hours

Total no. of hours available:

68 hours.

Hour	I		II	III		IV	V
Time	09.10 am	10.05 am	10.20 am	11.15 am	12.10 pm	01.00 pm	01.55 pm
Day Order	10.05 am	10.20 am	11.15 am	12.10 pm	1.00 pm	01.55 pm	02.50 pm
I		TEA BREAK			LUNCH	AG ₁	
II							
III						AG ₁	
IV			AG ₁				
V			AG ₁				
VI				AG ₁			
VII			AG ₁				

An effective date: 05-08-22

Revision No: 0

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit I
1.	24.8.22	VII	2	Subject orientation
2.	25.8.22	I	IV	"
3.	29.8.22	III	IV	"
4.	30.8.22	IV	II	Introduction
5.	1.9.22	V	II	Nahw
6.	2.9.22	VI	III	"
7.	3.9.22	VII	II	Explanation about ISm
8.	5.9.22	I	IV	"
9.	7.9.22	III	IV	types of ISm
10.	8.9.22	IV	II	"
11.	9.9.22	V	II	Explanation about دولت
12.	12.9.22	VI	III	Explanation about ج.س.م
13.	13.9.22	VII	II	ISm according to Jins
14.	14.9.22	I	IV	Explanation about ج.س.م
15.	16.9.22	III	IV	"
16.	17.9.22	IV	II	Explanation about دولت
17.	19.9.22	V	II	"
18.	20.9.22	VI	III	"

Lesson Plan for Regular Class Work

[illegible]

Signature of the HOD :

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Covered - Unit II	SS
1	27.9.22	I	IV	ISM according to $\frac{C}{I} \geq 10$ & $\frac{I}{C} \geq 10$	Riyasa
2	29.9.22	III	IV	Explanation about $\frac{C}{I} \geq 10$	Salma
3	30.9.22	IV	II	"	Mariyah
4	1.10.22	V	II	Explanation & types of $\frac{I}{C} \geq 10$	Aysha
5	6.10.22	VI	III	ISM according to number	Mariyah
6	7.10.22	VII	II	"	Mariyah
7	8.10.22	I	IV	Explanation about $\frac{C}{I} \geq 10$ & $\frac{I}{C} \geq 10$	Salma
8	11.10.22	III	IV	"	Aysha
9	12.10.22	IV	II	Explanation about $\frac{C}{I} \geq 10$ & $\frac{I}{C} \geq 10$	Riyasa
10	12.10.22	V	II	"	Salma
					01

Lesson Plan for Regular Class Work

[illegible]

Lesson Plan for Regular Class Work

[illegible]

Signature of the HOD :

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit IV
1.	17-11-22	VII	II	Explanation about صرف
2.	18-11-22	I	IV	"
3.	23-11-22	III	IV	"
4.	24-11-22	IV	II	"
5.	25-11-22	V	II	Explanation about فاعل عطف
6.	26-11-22	VI	III	"
7.	28-11-22	VII	II	"
8.	29-11-22	I	IV	"
9.	1-12-22	III	IV	شأنی مجرد
10.	2-12-22	IV	II	"
11.	3-12-22	V	II	شأنی مزید فیہ
12.	5-12-22	VI	III	"
13.	6-12-22	VII	II	رباعی مجرد
14.	7-12-22	I	IV	رباعی مزید فیہ
15.				"
16.				Explanation about فاعل متانی
17.				"
18.				types of فاعل متانی

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Covered - Unit IV	SS
1.	4-11-22	VII	II	Explanation about قوت	Dr. Rifa
2.	5-11-22	I	IV	"	Rifa
3.	8-11-22	III	IV	Explanation about قوت و قوت	Riyasa
4.	9-11-22	IV	II	"	marwaka
5.	10-11-22	V	II	شکست مزید	Dr. Rifa
6.	14-11-22	VI	III	شکست مزید فیہ	Rifa
7.	15-11-22	VII	II	ریاض مزید	Salma
8.	16-11-22	I	IV	ریاض مزید فیہ	marwaka
9.	18-11-22	III	IV	"	Riyasa
10.	21-11-22	IV	II	Explanation about قوت و قوت	Nafila
11.	22-11-22	V	II	"	Salma
12.	23-11-22	VI	III	types of قوت و قوت	marwaka

Signature of the HOD :

Lesson Plan for Regular Class Work

Lesson Plan for Regular				Topics Planned - Unit V
S. No.	Date	D/O	H	
1.				Explanation about فاعل
2.				"
3.				"
4.				فعل ماضٍ
5.				"
6.				Explanation about مفعول
7.				"
8.				Explanation about مفعول ثانٍ
9.				"
10.				"
11.				"
12.				Words and meaning
13.				"
14.				"
15.				"
16.				Revision
17.				"
18.				"

Lesson Plan for Regular Class Work

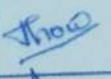
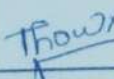
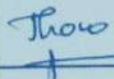
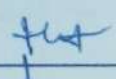
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Record of Marks															
S. No.	Reg.No.	Name	CIA Marks										CIA Total (40)	ESE Total (100)	
			10-10-22		8-11-22		1-12-22		Q/A/S		CP (5)	Attn (5)			
			Test1 (25)	Test2 (25)	Test3 (25)	Test Avg (25)	Q (5)	A (5)	S (5)						
1.		S. AhSan Rila	25	24	24	24.3	3	5	4	5	4	5	38	88	
2.		S. Aminathu Salma	25	25	24.5	24.8	4	7.5	4	7.5	4	4	38	78	
3.		M. Asiya Anafa	25	25	24.5	24.8	4	5	4	5	4	4	38	97	
4.		A. Aysba Rista	a	25	25	16.6	3	5	4	12.5	4	4	29	81	
5.		S. Fahima Fazhath	a												
6.		A. Jesmin Qiyasa	22.5	22.5	17.5	20.8	2	7.5	1	7.5	2	2.5	4	31	74
7.		N. Nasila	23.5	13.5	20	19	2	5	2	7.5	3	19	35	30	72
8.		S. maruska	24.5	20.5	16.5	20.5	2	5	4	7.5	4	4	4	33	55
			<u>Total</u>	<u>Total</u>	<u>Total</u>		<u>Q</u>	<u>A</u>	<u>S</u>	<u>CP</u>	<u>Attn</u>	<u>CIA</u>	<u>ESE</u>		
			104	79	76		17	27	17	24	24	24	174	77	

[illegible]

Result Analysis

Analysis	CIA			ESE Marks
	Test 1	Test 2	Test 3	
No. of Outstanding Students (CIA: UG: PG: Marks ≥ 22.5 ; ESE: Marks $\geq 90\%$)	6	5	4	1
No. of Distinction Students (CIA: UG: PG: $18.75 \leq \text{Marks} < 22.5$; ESE: $75\% \leq \text{Marks} < 90\%$)	-	1	1	3
No. of First Class Students (CIA: UG: PG: $15 \leq \text{Marks} < 18.75$; ESE: $60\% \leq \text{Marks} < 75\%$)	-	-	2	1
No. of Second Class Students (CIA: UG: PG: $12.5 \leq \text{Marks} < 15$; ESE: $50\% \leq \text{Marks} < 60\%$)	-	1	-	1
No. of Third Class Students (CIA: UG: $10 \leq \text{Marks} < 12.5$; ESE: UG: $40\% \leq \text{Marks} < 50\%$)	-	-	-	-
No. of Students Failed (CIA: UG: < 10 - PG: < 12.5 ; ESE: UG: Marks $< 40\%$ - PG: Marks $< 50\%$)	-	-	-	-

Total no. of students	8	8	8	8
No. of students attended	6	7	7	7
No. of students passed	6	7	7	7
Pass percentage of students attended	100%	100%	100%	100%
Signature of the course teacher				
Signature of the HOD				

Course Feedback

Unit	Feedback
Unit I	Learned what is Nahw & Jins.
Unit II	Learned about ma'arifa and Nakiza
Unit III	Learned about what is ^{سورة} & Ism Ishaara. It's very usefully.
Unit IV	Learned about Isha'b and Ism - mausul.
Unit V	Learned about new words and meaning

Other comments (if any) :

M. Thowhitha,
Signature of the
Course Teacher


Signature of the
HOD

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN



(A Minority Institutions Sponsored by Seethakathi Trust, Chennai)
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ISO 9001:2015 Certified Institution Recognized by UGC under 2(F)& 12(B)

Kilakarai - 625 517, Ramanathapuram District.



LOG BOOK

(Theory)

Academic Year : 2022- 23

Semester : Odd / Even

Name of the Faculty : Dr. H. FATHIMA

Designation : ASSISTANT PROFESSOR

Department : TAMIL

Programme : PART - I (B.A Arabic, BBA) ARTS

Course : தமிழ் இலக்கியம், பதினாறு

Course Code : TBLT 21

Syllabus

முதலாமாண்டு

பொதுத் தமிழ்
காப்பிய இலக்கியமும் புதினமும்

(For Students Admitted from 2022-23)

பருவம்: II

மணி: 5

பாடக்குறியீடு: IBLT21

மதிப்பு: 3

நோக்கம்:

1. காப்பியங்களின் வழி ஆன்மீக நீதிபோதனைகளை அறிந்து கொள்ளல்
2. இலக்கணங்களின் வழி செய்யுள் கட்டமைப்புகளை அறிந்து கொள்ளல்

கூறு- I

(15 மணி)

ஐம்பெருங்காப்பியங்கள்

1. சிலப்பதிகாரம் - அந்திமாலைச் சிறப்புச்செய் காதை
2. மணிமேகலை - மலர்வனம் புக்க காதை
3. சீவக சிந்தாமணி - காந்தர்வத்தையார் இலம்பகம் (25 பாடல்கள் யாழ் இசையில் வெல்லும்பகுதிகள்)

கூறு- II

(15 மணி)

காப்பியங்கள்

1. பெரியபுராணம் - இளையான்குடிமாற நாயனார் புராணம்
2. சீறாப்புராணம் - பாத்திமா திருமணப்படலம்
3. இயேசு காவியம் - இரசம் தீர்ந்துவிட்டது.

கூறு- III

(15 மணி)

புதினம்

1. கண்மணி குணசேகரன் - அஞ்சலை

கூறு- IV

(15 மணி)

இலக்கணம்

அணிகள்

உவமையணி - இல்பொருள் உவமையணி - ஏகதேச உருவக அணி -
பிறிதுமொழிதல் அணி - வேற்றுமையணி - வஞ்சப் புகழ்ச்சியணி - இரட்டுற
மொழிதல் அணி - சொற்பொருள் பின்வருநிலையணி - தற்குறிப்பேற்றணி - வேற்றுப்
பொருள் வைப்பணி

கூறு- V

(15 மணி)

இலக்கிய வரலாறு

1. காப்பிய இலக்கியத்தின் தோற்றமும் வளர்ச்சியும்
2. புதின இலக்கியத்தின் தோற்றமும் வளர்ச்சியும்

Extract of College Working Days

Semester commences on : 23.12.22

Semester ends on : 12.04.23

S.No.	Month	No. of Working Days	Hours
1.	December	03 15	03
2.	January	16 22	14
3.	February	16 22	14
4.	March	17 24	16
5.	April	05 07	05
6.			
7.			
8.			
9.			
10.			
11.			
12.			

Total no. of hours required :
(For completing the Syllabus)

575

Total no. of hours available:

52

V	01.55 pm	02.50 pm
IV	01.00 pm	
	12.10 pm	
III	11.15 am	
II		
I		
Hour		

Faculty Schedule for English Shree Siddhaganga, 4/5/2024/20 (name of the course)

Hour	I	II	III	IV	V
Time	09.10 am	10.20 am	11.15 am	01.00 pm	01.55 pm
Day Order	10.05 am	11.15 am	12.10 pm	01.55 pm	02.50 pm
I	NME		IUG Arts	CC	IUG Science
II	NME		IUG Arts	CC	IUG Science
III			IUG Arts		IUG Science
IV	NME		IUG Arts		IUG Science
V	NME		IUG Arts		IUG Science
VI					
VII					

LUNCH

TEA
BREAK

Revision No:

An effective date :

Lesson Plan for Regular Class Work

Topics Planned - Unit I

S. No.	Date	D/O	H		Date	D/O
1.	23.12.22	IV	III	மாத்திரியம் தொழ்பத ஆதிக்கப்படுகிறது	23.12.22	V
2.	27.12.22	V	III	கூறு 1, 2, 3 கூறின் வரிவாத கூறுகள்	27.12.22	V
3.	30.12.22	V	III	4, 5 கூறு பற்றி வரிவாத கூறு கிப்பபிவ்	30.12.22	V
4.	02.01.23	VI	III	தரப்பியகீதல் பற்றி வரிவாத கூறு கிப்பபிவ்	02.01.23	V
5.	03.01.23	III	III	கிப்பபிகாரம் வரலாற்றை கூறு கிப்பபிவ்	03.01.23	V
6.	04.01.23	IV	III	அங்கிமாணை கிப்பபி செய்து காணத் துக்க கிப்பபிவ் (1-50)	04.01.23	V
7.	05.01.23	IV	III	அங்கிமாணை கிப்பபி செய்து காணத் தொழ்ப்பி துக்க கிப்பபிவ் (51-80)	05.01.23	V
8.	09.01.23	V	III	மணிபுகையை வரலாற்றை கூறு கிப்பபிவ்	09.01.23	V
9.	10.01.23	VI	III	மலர்வாணம் பக்க காணத் துக்க கிப்பபிவ் (1-80)	10.01.23	V
10.	11.01.23	VI	III	மலர்வாணம் பக்க காணத் தொழ்ப்பி துக்க கிப்பபிவ் (80-170)	11.01.23	V
11.	13.01.23	IV	III	கீழக கிந்தாமணி வரலாற்றை கூறு கிப்பபிவ்	13.01.23	V
12.	13.01.23	V	III	கீழகியர் கிப்பபி துக்க கிப்பபிவ்	13.01.23	V
13.	20.01.23	V	III	காந்தர்வாதத்தையார் விவரங்கள் துக்க கிப்பபிவ் (11-30)	20.01.23	V
14.	21.01.23	VI	III	காந்தர்வாதத்தையார் விவரங்கள் தொழ்ப்பி துக்க கிப்பபிவ் (30-150)	21.01.23	V
15.	23.01.23	III	III	கலங்காரையா துக்க கிப்பபிவ்	23.01.23	V

Lesson Plan for Regular Class Work

Topics Planned - Unit II

S. No.	Date	D/O	H		Date	D/O
1	24.01.23	IV	III	கார்ப்புரேஷன் பற்றி அறிவாகக் கூறத் திட்டமிடல்	20.01.23	IV
2	25.01.23	V	III	பெக்சிபிளர் பற்றி கூறத் திட்டமிடல்	21.01.23	V
3	30.01.23	T	III	மெயின்புரணை பற்றி கூறத் திட்டமிடல்	03.02.23	T
4	31.01.23	III	II	கிணையந்திபுளைய நாயனார் புராணம் பற்றி நடத்த (1-100 பக்கம்)	06.02.23	III
5	01.02.23	III	II	கிணையந்திபுளைய நாயனார் புராணம் தொடர்ச்சி நடத்த (101-156 பக்கம்)	07.02.23	III
6	02.02.23	IV	III	உமையாம்பாள் பற்றி கூறத் திட்டமிடல்	08.02.23	IV
7	03.02.23	V	II	சீதாம்புரணை பற்றி கூறத் திட்டமிடல்	09.02.23	V
8	07.02.23	T	II	பாத்திரம் கிணையம்பலம் பற்றி கூறத் திட்டமிடல் (1-100 பக்கம்)	14.02.23	T
9	08.02.23	II	II	பாத்திரம் கிணையம்பலம் பற்றி தொடர்ச்சி நடத்த (100-220 பக்கம்)	15.02.23	II
10	09.02.23	III	II	கண்ணகியை பற்றி கூறத் திட்டமிடல்	16.02.23	III
11	10.02.23	IV	II	சீரையக்கனையம் பற்றி கூறத் திட்டமிடல்	17.02.23	IV
12	12.02.23	V	III	காலியம் பற்றி அறிவாகக் கூறத் திட்டமிடல்	18.02.23	V
13	16.02.23	T	III	கிரகம் திந்திரையம் பற்றி கூறத் திட்டமிடல் (1-62 பக்கம்)	22.02.23	T
14	17.02.23	II	III	கிரகம் திந்திரையம் தொடர்ச்சி நடத்த (63-123 பக்கம்)	23.02.23	II
15	18.02.23	III	III	கங்கையாறு திட்டமிடல்	24.02.23	III

Lesson Plan for

Topics Planned - Unit III

S. No.	Date	D/O	H		Date
1.	20.02.23	II	III	கணினி தொடர்புத் தகவல் தொடர்பு கிடைப்பில்	27.02.23
2.	21.02.23	II	III	நாவல் தொடர்புத் தகவல் தொடர்பு கிடைப்பில்	28.02.23
3.	24.02.23	II	III	தொடர்புத் தகவல் தொடர்பு கிடைப்பில்	04.03.23
4.	27.02.23	II	III	17 டு 60 பக்கம் தொடர்பு கிடைப்பில்	06.03.23
5.	28.02.23	II	III	61 டு 100 தொடர்பு கிடைப்பில்	07.03.23
6.	01.03.23	II	III	101 டு 137 தொடர்பு கிடைப்பில்	08.03.23
7.	02.03.23	II	III	138 டு 178 தொடர்பு கிடைப்பில்	09.03.23
8.	06.03.23	II	III	179 டு 230 தொடர்பு கிடைப்பில்	14.03.23
9.	07.03.23	II	III	231 டு 255 தொடர்பு கிடைப்பில்	15.03.23
10.	08.03.23	II	III	256 டு 269 தொடர்பு கிடைப்பில்	16.03.23
11.	09.03.23	II	III	270 டு 293 தொடர்பு கிடைப்பில்	17.03.23
12.	10.03.23	II	III	294 டு 310 தொடர்பு கிடைப்பில்	18.03.23
13.	15.03.23	II	III	311 டு 331 தொடர்பு கிடைப்பில்	23.03.23
14.	16.03.23	II	III	நாவல் தொடர்புத் தகவல் தொடர்பு கிடைப்பில்	24.03.23
15.	17.03.23	II	III	தொடர்புத் தகவல் தொடர்பு கிடைப்பில்	27.03.23

Lesson Plan for Regular Class Work

Topics Planned - Unit IV

S. No.	Date	D/O	H		Date
1.	18.03.23	IV	II	இலக்கணம் பற்றி கூறத் தீர்மானம்	28.03
2.	20.03.23	V	III	அணிகள் பற்றி கூறத் தீர்மானம்	29.03
3.	24.03.23	I	II	அணி வகைகள் பற்றிக் கூறத் தீர்மானம்	03.04
4.	27.03.23	II	II	அணி வகைகள், உவமை அணி நடத்த தீர்மானம்	05.04
5.	28.03.23	III	II	உவமையணி அணி நடத்த தீர்மானம்	06.04
6.	29.03.23	IV	II	இவ்வாறின் உவமையணி நடத்த தீர்மானம்	10.04
7.	30.03.23	V	II	புகழ்பெற்ற ஒருவர் அணி நடத்த தீர்மானம்	11.04
8.	03.04.23	I	II	பரிசுரவாழ்த்தல் அணி நடத்த தீர்மானம்	
9.	05.04.23	II	III	உவமையணி நடத்த தீர்மானம்	
10.	06.04.23	III	III	உவமையணி நடத்த தீர்மானம்	
11.	10.04.23	IV	II	இவ்வாறின் வாழ்த்தல் அணி நடத்த தீர்மானம்	
12.	11.04.23	V	III	உவமையணி நடத்த தீர்மானம்	
13.				தந்திரப்பெற்றணி நடத்த தீர்மானம்	
14.				உவமையணி நடத்த தீர்மானம்	
15.				கவனம் ஈர்க்கும் தீர்மானம்	

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN

[Autonomous & NAAC Re-accredited, ISO 9001:2008 Certified Institution]

(Affiliated to Alagappa University, Karaikudi)

Kilakarai, Ramanathapuram District - 623 517



LOG BOOK

(Theory)

Academic Year : ~~2018-19~~ 2022-2023

Semester : ~~Odd~~ / Even

Name of the Faculty : MS. P. Indurani

Designation : Asst Prof

Department : Chemistry

Programme : B.Sc

Section : —

Subject : Analytical Methods

Subject Code : GJBCH5D

Syllabus

ELECTIVE II (B) - ANALYTICAL METHODS

(For those who joined since 2021-24)

Semester: V

Hours/Week: 5

Subject Code: HBCHE5D/GBCHE5D/FBCHE51D/FBCHE5D Credits: 5

- O 1: To understand the significance of errors in analysis
- O 2: To acquire knowledge of analytical techniques including spectral techniques
- O 3: To enable the students understand concepts in thermal techniques
- O 4: To enable the students understand concepts in atomic spectrometry
- O 5: To enable the students understand concepts in ultraviolet and visible spectrometry
- O 6: To enable the students understand concepts in infrared techniques

NIT I

[15 Hours]

Introduction of Analytical Chemistry: The Scope of Analytical Chemistry, Functions and applications of Analytical Chemistry, Definition and Basic Concepts of Mean, Median, Degree of Freedom, Deviation, Standard Deviation Variance, Q Test, T Test, Accuracy, Absolute Method and Comparative Method, Precision, Errors, Classification of Errors – Methods of Minimizing Errors, Significant Figures and Computative Rules

NIT II

[15 Hours]

Thermal Techniques: Thermogravimetry – Principle, Instrumentation, Application of TGA, Differential Thermal Analysis (DTA)– Principle, Instrumentation and application of DTA, Differential Scanning Calorimetry – Principle, Instrumentation, Applications of DSC, Thermo Mechanical Analysis (TMA) and Dynamic Mechanical Analysis (DMA) – Principle, Instrumentation and Applications of TMA and DMA; Pyrolysis-gas chromatography, Principle, Instrumentation

NIT III

[15 Hours]

Atomic Spectrometry: Atomic absorption spectrometry – Absorption of Characteristic radiation Instrumentation, Sample Vapourisation, Quantitative Measurements and Interferences and Applications

Flame emission spectrometry – Principle, Instrumentation, Flame characteristics Flame process, Emission Spectra, Quantitative Measurements and Interferences and Applications.

X-Ray Emission Spectrometry – X- Ray Process, Instrumentation and Applications

NIT IV

[15 Hours]

Ultraviolet and Visible Spectroscopy: Introduction, Absorption laws, Formation of absorption bands, Theory of Electronic Spectroscopy, Types of Electronic Transitions, Transition Probability, Chromophore, Auxochrome, Absorption and Intensity Shifts, Types of Absorption Bands, Solvent Effects, Conjugated Diene, Woodward-Fieser rules for calculating Wavelength Maxima in Diene, Distortion of the Chromophore– Polyenes and Conjugated Dienes, Benzene and its Derivatives, Absorption Spectra of Condensed Ring Systems, Steric Hindrance and Coplanarity, Fluorescence and Phosphorescence – applications

NIT V

[15 Hours]

Infrared Spectroscopy: Introduction, Theory of Molecular Vibrations, Vibrational frequency, Number of Fundamental Vibrations, Factors Influencing Vibrational frequencies, Fingerprint Region, Application of IR Spectroscopy, Detection of Alkanes, Alkenes, Alkynes, Cycloalkanes, Aromatic Hydrocarbon, Phenols and Alcohols, Ethers,

Extract of College Working Days

Semester begins on: 18.07.2022

Semester ends on: 16.11.2022

Last working date (for completion of syllabus): 17.11.2022

S. No.	Month	No. of Working Days	No. of Periods
1.	July	11	07
2.	August	21	15
3.	September	24	16
4.	October	20	14
5.	November	14	10
6.			
7.			
8.			
9.			
10.			
11.			
12.			

Total no. of periods required :
(For completing the syllabus)

75

Total no. of periods available :
(For completing the syllabus)

62

Faculty Time Table

Period Day Order Time →	I	II	III	IV	V	*
→	9.10-10.5	10.20- 11.15	11.15- 12.10	1.00 - 1.55	1.55 - 2.50	
I						
II		A.M			A.M	
III						
IV			A.M			
V	A.M					
VI		A.M				
VII						

Effective date: 22. 08. 2022

Revision no: 00

Test Plan

Test	Details
Test 1	
Test 2	
Test 3	

Lesson Plan for Regular Class Work

[illegible]

Lesson Plan for Regular Class Work

S. No.	Date	D/O	P	Topics planned- Unit II
1.	17.8.22	II	2	Introduction about thermal Techniques
2.	17.8.22	II	4	Thermogravimetric Analysis
3.	20.8.22	IV	3	principle Instrumentation of TGA
4.	22.8.22	V	1	Application of TGA
5.	23.8.22	VI	2	principle and Instrumentation of DTA
6.	26.8.22	II	2	Application of DTA
7.	26.8.22	II	4	principle Instrumentation of DSC
8.	30.8.22	IV	3	Application of DSC
9.	1.9.22	V	1	Thermomechanical Analysis
10.	2.9.22	VI	2	principle Instrumental of TMA
11.	6.9.22	II	2	Application of TMA
12.	6.9.22	II	4	principle Instrumentation of DMA
13.	8.9.22	IV	3	Application of DMA
14.	9.9.22	V	1	Gas Chromatography
15.	12.9.22	VI	2	Instrumentation of gas chromatography

Lesson Plan for Regular Class Work

S. No.	Date	D/O	P	Topics planned- Unit III
1.	15.9.22	II	2	Atomic absorption Spectroscopy
2.	15.9.22	II	4	Absorption of characteristic Radiative Instrumentation.
3.	17.9.22	IV	3	Sample Vaporisation
4.	19.9.22	V	1	Quantitative measurements and interference and Application
5.	20.9.22	VI	2	Application of Atomic Spectroscopy
6.	23.9.22	II	2	Flame emission Spectroscopy
7.	23.9.22	II	4	Principle and Instrumentation of flame Spectroscopy
8.	27.9.22	IV	3	flame Characteristic
9.	28.9.22	V	1	flame Process
10.	29.9.22	VI	2	Emission Spectra
11.	6.10.22	II	2	Quantitative measurements
12.	6.10.22	II	4	X-ray emission Spectroscopy
13.	8.10.22	IV	3	X-ray processes
14.	10.10.22	V	2	Instrumentation and application of X-ray
15.	11.10.22	VI	2	Emission Spectroscopy

Lesson Plan for Regular Class Work

S. No.	Date	D/O	P	Topics planned- Unit IV
1.	14.10.22	II	2	Introduction of UV & Visible Spectra
2.	14.10.22	II	4	Absorption laws
3.	17.10.22	IV	3	formation of absorption bands and theory of electronic spectroscopy
4.	18.10.22	V	2	Types of Electronic transition
5.	19.10.22	VI	2	Chromophore & Auxochrome
6.	22.10.22	II	2	Absorption and intensity shifts
7.	22.10.22	II	4	Types of absorption bands
8.	27.10.22	IV	3	Solvent effect, conjugated Diene
9.	28.10.22	V	1	Woodward Fieser rule for calculation of wavelength maximum in Diene
10.	29.10.22	VI	2	Dislocation of the Chromophore
11.	2.11.22	II	2	polyenes and polynes
12.	2.11.22	II	4	absorption spectra of condensed Ring system
13.	4.11.22	IV	3	Steric hindrance
14.	5.11.22	V	1	Benzen and its Derivatives
15.	7.11.22	VI	2	fluorescence and phosphorescence and Application

Lesson Plan for Regular Class Work

S. No.	Date	D/O	P	Topics planned- Unit V
1.	10.11.22	II	2	IR Spectroscopy
2.	10.11.22	II	4	Theory of molecular vibration
3.	14.11.22	IV	3	Vibrational frequency
4.	15.11.22	V	1	Number of fundamental vibration
5.	16.11.22	VI	2	factors influencing vibrational frequency
6.	↑ Clarks			fingerprint region
7.				Application of IR Spectroscopy
8.				Detection of Alkanes & Alkenes
9.				Aromatic hydrocarbons
10.				Phenol & alcohol
11.	↓ Special			Aldehyde and Ketone
12.				Esters lactone and Carboxylic acid
13.				Acid anhydride.
14.				Amine, Amide, amino acids
15.				Nitro compounds

THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN



(A Minority Institutions Sponsored by Seethakathi Trust, Chennai)

An Autonomous Institution Affiliated to Alagappa University, Karaikudi.

Accredited by NAAC with 'A' Grade (CGPA 3.16)

ISO 9001 : 2015 Certified Institution Recognized by UGC under 2(F)& 12(B)

Kilakarai - 623 517, Ramanathapuram District.



LOG BOOK

(Theory)

Academic Year : 2022- 23

Semester : Odd / Even[✓]

Name of the Faculty : Ms. J. Janani

Designation : Assistant Professor

Department : Chemistry

Programme : B.Sc.

Course : Inorganic Chemistry - D

Course Code : HBCHC41

CORE VII - INORGANIC CHEMISTRY-II
(For those who joined since 2021-24)

Hours/Week: 5

Semester: IV

Subject Code: HBCIIC41/GBCIIC41 /FBCIIC41 I/FBCIIC41 Credits: 4

CO 1: To enable students to gain knowledge in principles and process of metals

CO 2: To enable students to gain knowledge in principles and process of non-metals

CO 3: To enable students to gain knowledge in principles and process of noble gases

CO 4: To acquaint the students with the importance and uses of transition elements

UNIT I

[15 Hours]

IB, IIA & IIIA Group Elements: I B Group- Group Discussion, Extraction, Properties and Uses of Cu, Alloys of Cu and their Application

II A Group – Diagonal Relationship of Be with Al, Comparison of Be with Mg, Extraction, Properties and Uses of Be

IIIA Group – General Characteristics, Extraction of Aluminium, Anhydrous Aluminium trichloride. Boranes, Diborane - Preparation, Properties and Structure

UNIT II

[15 Hours]

Dipole Moment & Magneto Chemistry: Dipole Moment – Definition, Experimental Determination, Calculation of Percentage Ionic character of HF and HCl, Dipole Moment and Molecular structure - CO₂, H₂O, NH₃ and CH₄

Magneto Chemistry – Introduction (Magnetic field, Magnetic pole, Intensity of magnetization). Magnetic Induction, Permeability, Intensity of Magnetism, Magnetic Susceptibility, Molar Magnetic Susceptibility. Magnetic Behaviour - Diamagnetism, Paramagnetism, Ferromagnetism and Antiferromagnetism, Effect of temperature on Magnetic Behaviour of Substances, Derivation of Equation for Total Angular Magnetic Momentum and Diamagnetic Momentum. Determination of Magnetic Susceptibility by Gouy Method

Applications of Magnetic Susceptibilities – Number of Unpaired Electrons in a Molecule, Structure of Co-Ordination compounds, Formation of Free Radicals

UNIT III

[15 Hours]

IV, V & VI Group Elements:

Group IV – Metallurgy of Lead, Allotropy of Carbon, Carbides, Silicates, Silicones, Permonocarbonic acid, Perdicarbonic acid

Group VA – Nitrogen, Active Nitrogen, Hydrides of Nitrogen, Ammonia - Manufacture, Properties and Uses, Oxides of Nitrogen, Fixation of Nitrogen, Manufacture of Nitric and Arsenic acid, Distinction between Arsenite and Arsenate, Antimony trioxide, tartar emetic and sodium bismuthate

Group VI – Oxides, Oxyacids and Oxyhalides of Sulphur, Permonosulphuric acid, Perdisulphuric acid & Potassium Persulphate

UNIT IV

[15 Hours]

Halogens & Noble Gas:

Halogens -- Isolation of Fluorine, Moissan's method and Denis method, Distinction of

Extract of College Working Days

Semester commences on : 12/12/23

Semester ends on : 13/04/23

S.No.	Month	No. of Working Days	Hours
1.	December	19	11
2.	January	22	13
3.	February	22	13
4.	March	24	18
5.	April	3	5
6.			
7.			
8.			
9.			
10.			
11.			
12.			

Total no. of hours required :
(For completing the Syllabus)

75

Total no. of hours available:

60

Faculty Schedule for _____ (name of the course)

Hour	I		II	III		IV	V
Time	09.10 am	10.05 am	10.20 am	11.15 am	12.10 pm	01.00 pm	01.55 pm
Day Order	10.05 am	10.20 am	11.15 am	12.10 pm	1.00 pm	01.55 pm	02.50 pm
I		TEA BREAK	In-org-II		LUNCH		
II							In-org-I
III							
IV							
V				In-org-II			In-org-II
VI							
VII				In-org-II			

An effective date : 12/12/23

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Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit II
1.	9/1/23	I	2	Dipole-Moment - Definition, Experimental Determination
2.	10/1/23	II	5	Calculation of percentage ionic character of HF & HCl,
3.	13/1/23	III	3	Dipole moment & Molecular structure CO_2 , H_2O ,
4.	13/1/23	IV	6	NH_3 and CH_4
5.	19/1/23	V	3	Magneto-chemistry - Introduction (Magnetic Field, magnetic pole,
6.	20/1/23	VI	2	Intensity of magnetization, Magnetic Induction, permeability.
7.	21/1/23	VII	5	Intensity of magnetism,
8.	25/1/23	VIII	3	Magnetic susceptibility, Molar magnetic susceptibility, magnetic Behaviour.
9.	25/1/23	IX	5	Diamagnetism, Paramagnetism
10.	28/1/23	X	3	Ferromagnetism & Antiferromagnetism, Effect of temperature of magnetic substance.
11.	30/1/23	XI	2	Derivation of Equation for Total Angular magnetic Momentum &
12.	31/1/23	XII	5	Diamagnetic moment, Determination of susceptibility by Gouy method.
13.	3/2/23	XIII	3	Applications of magnetic susceptibility, Number of unpaired Electrons in Molecules.
14.	3/2/23	XIV	5	Structure of Co-ordination
15.	6/2/23	XV	3	Compounds, Formation of Free Radicals

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit III
1.	7/2/23	I	2	Group IV - Metallurgy of lead,
2.	8/2/23	II	5	Allotropy of Carbon, Carbides,
3.	12/2/23	III	3	Silicates, Silicoes,
4.	13/2/23	IV	5	Permonocarbonic acid, perdicarbonic
5.	15/2/23	V	3	Group V-A - Nitrogen,
				Active Nitrogen, Hydrides of nitrogen
6.	16/2/23	VI	2	Ammonia - manufacture, Properties,
7.	17/2/23	VII	5	Oxides of Nitrogen,
8.	21/2/23	VIII	3	Fixation of Nitrogen,
9.	21/2/23	IX	5	Manufacture of Nitric acid
10.	23/2/23	X	3	Manufacture of Arsenic acid,
11.	27/2/23	XI	2	Distinction between Arsenite &
12.	27/2/23	II	5	Arsenate, Antimony trioxide,
				Iodoantimonate & Sodium
13.	2/3/23	III	3	bismuthate.
				Group VI - oxides, oxyacids &
14.	2/3/23	IV	5	oxyhalides of sulphur.
				Permonosulphuric acid,
15.	4/3/23	V	3	perdisulphuric acid.
				Potassium persulphate

S. No.	Date	D/O	II	Topics Planned - Unit IV
1.	6/3/23	I	2	Halogens - Isolation of Fluorine
2.	7/3/23	II	5	Maisson's method & Denis method
3.	10/3/23	III	3	Distinction of Fluorine from other Elements.
4.	10/3/23	IV	5	Manufacture & Properties of
5.	12/3/23	V	3	Chlorine, Bromine, Iodine
6.	15/3/23	VI	2	Manufacture of Bleaching powder by Bachmann method,
7.	16/3/23	VII	5	Structure & Properties of Bleaching Powder.
8.	20/3/23	VIII	3	Interhalogen compounds -
9.	20/3/23	IX	5	Naming of the compounds,
10.	23/3/23	X	3	Types - Preparation, Properties Structure and uses of
11.	24/3/23	XI	2	ICl , BrF_3 , IF_5 , IF_7
				Basic Properties of Iodine
12.	27/3/23	XII	5	Pseudohalogens - Definition,
13.	30/3/23	III	2	Similarities & Dissimilarities between Halogen & pseudohalogen
14.	30/3/23	IV	5	Cyanogen, Thiocyanogen - Preparation, properties & uses,
				Noble Gases - Isolation,
15.	1/4/23	V	3	General Properties, Chlorates, Fluorides, Oxides & oxyfluorides of xenon

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DAY	DATE	DAY ORDER	JULY 2022	NO OF WORKING DAYS
			PARTICULARS	
Friday	1		National Doctor's Day	
Saturday	2			
Sunday	3			
Monday	4			
Tuesday	5			
Wednesday	6			
Thursday	7			
Friday	8			
Saturday	9			
Sunday	10		Bakrid	
Monday	11		World Population Day	
Tuesday	12			
Wednesday	13			
Thursday	14			
Friday	15			
Saturday	16			
Sunday	17			
Monday	18	I	Odd Semester Commences for II UG,III UG and II PG students	1
Tuesday	19	II		2
Wednesday	20	III		3
Thursday	21	IV		4
Friday	22	V		5
Saturday	23	-		-
Sunday	24	-		-
Monday	25	VI		6
Tuesday	26	VII		7
Wednesday	27	I		8
Thursday	28	II	World Hepatitis Day	9
Friday	29	III		10
Saturday	30	IV		11
Sunday	31	-		-
NO OF WORKING DAYS: 11				

DAY	DATE	DAY ORDER	AUGUST 2022	NO OF WORKING DAYS
			PARTICULARS	
Monday	1	V	World Wide Web Day	12
Tuesday	2	VI		13
Wednesday	3	VII		14
Thursday	4	I		15
Friday	5	II		16
Saturday	6	III		17
Sunday	7	-	National Handloom Day Friendship Day	-
Monday	8	IV		18
Tuesday	9	-	Muharram	-
Wednesday	10	V		19
Thursday	11	VI		20
Friday	12	VII	International Youth Day	21
Saturday	13	-	International Left Handers Day	-
Sunday	14	-		-
Monday	15	-	Indian Independence Day	-
Tuesday	16	I		22
Wednesday	17	II		23

Thursday	18	III		24
Friday	19	-	World Photography Day Krishna Jeyanthi	-
Saturday	20	IV		25
Sunday	21	-		-
Monday	22	V		26
Tuesday	23	VI		27
Wednesday	24	VII	Odd Semester Commences for I UG & I PG Students & PTA Meeting for I Year (UG and PG) Students	28(1)
Thursday	25	I	Orientation commences for I Year(UG and PG) Students	29(2)
Friday	26	II	Women's Equality Day	30(3)
Saturday	27	-		-
Sunday	28	-		-
Monday	29	III	National Sports day of India	31(4)
Tuesday	30	IV	Small Industry Day	32(5)
Wednesday	31	-	Ganesh Chaturthi	-
NO OF WORKING DAYS: 21				

DAY	DATE	DAY ORDER	SEPTEMBER 2022	NO OF WORKING DAYS
			PARTICULARS	
Thursday	1	V		33(6)
Friday	2	VI	World Coconut Day CIA –I commences for II UG, III UG & II PG students	34(7)
Saturday	3	VII	Bridge course commences for I Year UG Students	35(8)
Sunday	4	-		-
Monday	5	I	Teachers' Day International Day of Charity	36(9)
Tuesday	6	II		37(10)
Wednesday	7	III		38(11)
Thursday	8	IV	International Literacy Day	39(12)
Friday	9	V		40(13)
Saturday	10	-		-
Sunday	11	-		-
Monday	12	VI		41(14)
Tuesday	13	VII		42(15)
Wednesday	14	I	Hindi day	43(16)
Thursday	15	II	Engineers' Day, International Day of Democracy	44(17)
Friday	16	III	World Ozone Day	45(18)
Saturday	17	IV		46(19)
Sunday	18	-		-
Monday	19	V		47(20)
Tuesday	20	VI		48(21)
Wednesday	21	VII	International Day of Peace	49(22)
Thursday	22	I		50(23)
Friday	23	II		51(24)
Saturday	24	-		-
Sunday	25	-	World Pharmacists Day	-
Monday	26	III		52(25)
Tuesday	27	IV	World Tourism Day	53(26)
Wednesday	28	V		54(27)
Thursday	29	VI	World Heart Day	55(28)
Friday	30	VII	World Translation Day	56(29)

NO OF WORKING DAYS: 24

DAY	DATE	DAY ORDER	OCTOBER 2022	NO OF WORKING DAYS
			PARTICULARS	
Saturday	1	I	International Day for the Elderly	57(30)
Sunday	2	-	Gandhi Jayanti, International Day of Non-Violence	-
Monday	3	-		-
Tuesday	4	-	World Animal Welfare Day Ayutha Pooja	-
Wednesday	5	-	Vijaya Dasami	-
Thursday	6	II	CIA –II commences for II UG, III UG and II PG students & CIA –I commences for I UG and I PG students	58(31)
Friday	7	III		59(32)
Saturday	8	IV	Indian Air Force Day	60(33)
Sunday	9	-	World Post Office day Milad-un-Nabi	-
Monday	10	V		61(34)
Tuesday	11	VI	International Girl Child Day	62(35)
Wednesday	12	VII		63(36)
Thursday	13	I		64(37)
Friday	14	II		65(38)
Saturday	15	III	Alhaj Dr.B S Abdur Rahman's Birthday & Dr.APJ Abdul Kalam's Birthday	66(39)
Sunday	16	-	World Food Day	-
Monday	17	IV		67(40)
Tuesday	18	V		68(41)
Wednesday	19	VI	Quiz, Assignment and Seminar – I	69(42)
Thursday	20	VII		70(43)
Friday	21	I		71(44)
Saturday	22	II		72(45)
Sunday	23	-		-
Monday	24	-	Diwali	-
Tuesday	25	-		-
Wednesday	26	III		73(46)
Thursday	27	IV		74(47)
Friday	28	V		75(48)
Saturday	29	VI		76(49)
Sunday	30	-		-
Monday	31	VII	National Unity Day	77(50)
NO OF WORKING DAYS: 20				

DAY	DATE	DAY ORDER	NOVEMBER 2022	NO OF WORKING DAYS
			PARTICULARS	
Tuesday	1	I		78(51)
Wednesday	2	II	Assignment and Seminar - II	79(52)
Thursday	3	III		80(53)
Friday	4	IV	CIA –III commences for II UG,III UG and II PG students & CIA –II commences for I UG & I PG students	81(54)
Saturday	5	V	World Tsunami Day	82(55)
Sunday	6	-		-
Monday	7	VI	Infant Protection Day, National Cancer Awareness Day	83(56)
Tuesday	8	VII	World Radiology Day	84(57)
Wednesday	9	I		85(58)

Thursday	10	II	Transport Day	86(59)
Friday	11	III	National Education Day	87(60)
Saturday	12	-		-
Sunday	13	-	World Kindness Day	-
Monday	14	IV	Children's Day (Jawaharlal Nehru's birthday) ESE (Practical) commences for II UG, III UG and II PG Students & Quiz-II	88(61)
Tuesday	15	V		89(62)
Wednesday	16	VI	Last Working Day for II UG ,III UG and II PG Students	90(63)
Thursday	17	(VII)		(64)
Friday	18	(I)	World Adult Day	(65)
Saturday	19	(II)	World Citizen Day	(66)
Sunday	20	-		-
Monday	21	(III)	World Television Day	(67)
Tuesday	22	(IV)		(68)
Wednesday	23	(V)	ESE (Theory) commences for II UG, III UG & II PG Students	(69)
Thursday	24	(VI)		(70)
Friday	25	(VII)		(71)
Saturday	26	-	National Law Day	-
Sunday	27	-		-
Monday	28	(I)	CIA - III commences for I year UG and PG students	(72)
Tuesday	29	(II)		(73)
Wednesday	30	(III)		(74)
NO OF WORKING DAYS: 13				

DAY	DATE	DAY ORDER	DECEMBER 2022	NO OF WORKING DAYS
			PARTICULARS	
Thursday	1	(IV)	World First Aids Day (NSS)	(75)
Friday	2	(V)	World Computer Literacy Day National Pollution Control Day	(76)
Saturday	3	(VI)	International Day of Disabled People	(77)
Sunday	4	-	Navy Day	-
Monday	5	(VII)	ESE (Exam) begins for I UG and I PG students (odd semester)	(78)
Tuesday	6	(I)		(79)
Wednesday	7	(II)	Indian Armed Forces Flag Day	(80)
Thursday	8	(III)	Last working day for I UG and I PG Students	(79)
Friday	9		International day against corruption & ESE (Theory) commences for I UG and I PG Students (odd semester)	
Saturday	10	-	Human Right Day (Women Empowerment Cell)	-
Sunday	11	-	International Mountain day	-
Monday	12	I	Even semester begins for II UG, III UG and II PG students	1
Tuesday	13	II		2
Wednesday	14	III		3
Thursday	15	IV		4
Friday	16	V		5
Saturday	17	VI		6
Sunday	18	-	Minorities Right Day (Scholarship)	-
Monday	19	VII		7
Tuesday	20	I		8
Wednesday	21	II		9

Thursday	22	III	National Mathematics Day (Department of Mathematics)	10
Friday	23	IV	Even semester begins for I UG & I PG students	11
Saturday	24	-		-
Sunday	25	-	Christmas Day	-
Monday	26	-		-
Tuesday	27	V		12
Wednesday	28	VI		13
Thursday	29	VII		14
Friday	30	I		15
Saturday	31	-		-
NO OF WORKING DAYS: 15				

DAY	DATE	DAY ORDER	JANUARY 2023	NO OF WORKING DAYS
			PARTICULARS	
Sunday	1	-	New Year	-
Monday	2	II		16
Tuesday	3	III		17
Wednesday	4	IV		18
Thursday	5	V		19
Friday	6	VI		20
Saturday	7	VII		21
Sunday	8	-		-
Monday	9	I		22
Tuesday	10	II		23
Wednesday	11	III		24
Thursday	12	IV		25
Friday	13	V		26
Saturday	14	-		-
Sunday	15	-	Pongal	-
Monday	16	-	Uzhavar Thirunal	-
Tuesday	17	-		
Wednesday	18	VI		27
Thursday	19	VII		28
Friday	20	I		29
Saturday	21	II		30
Sunday	22	-		-
Monday	23	III	CIA –I Commences for all students	31
Tuesday	24	IV		32
Wednesday	25	V		33
Thursday	26	-	Republic Day	-
Friday	27	VI		34
Saturday	28	VII		35
Sunday	29	-		-
Monday	30	I		36
Tuesday	31	II		37
NO OF WORKING DAYS: 22				

DAY	DATE	DAY ORDER	FEBRUARY 2023	NO OF WORKING DAYS
			PARTICULARS	
Wednesday	1	III		38
Thursday	2	IV	Quiz/Assignment/Seminar- I	39
Friday	3	V		40
Saturday	4	VI	World Cancer Day	41
Sunday	5	-		-
Monday	6	VII		42
Tuesday	7	I		43
Wednesday	8	II		44
Thursday	9	III		45

Friday	10	IV		46
Saturday	11	-		-
Sunday	12	-		-
Monday	13	V	World Radio Day	47
Tuesday	14	VI		48
Wednesday	15	VII		49
Thursday	16	I		50
Friday	17	II	CIA –II Commences for all students	51
Saturday	18	III		52
Sunday	19	-		-
Monday	20	IV	World Day of Social Justice	53
Tuesday	21	V	International Mother Language Day	54
Wednesday	22	VI		55
Thursday	23	VII		56
Friday	24	I	Central Excise Day	57
Saturday	25	-		-
Sunday	26	-		-
Monday	27	II		58
Tuesday	28	III		59
NO OF WORKING DAYS: 22				

DAY	DATE	DAY ORDER	MARCH 2023	NO OF WORKING DAYS
			PARTICULARS	
Wednesday	1	IV	Zero Discrimination Day	60
Thursday	2	V	Quiz/Assignment/Seminar- II	61
Friday	3	VI	World Wildlife Day	62
Saturday	4	VII		63
Sunday	5	-		-
Monday	6	I		64
Tuesday	7	II		65
Wednesday	8	III	International Women's Day	66
Thursday	9	IV		67
Friday	10	V		68
Saturday	11	-		-
Sunday	12	-		-
Monday	13	VI		69
Tuesday	14	VII	International Day Of Mathematics	70
Wednesday	15	I	World Consumer Day CIA –III Commences for all students	71
Thursday	16	II		72
Friday	17	III		73
Saturday	18	IV		74
Sunday	19	-		-
Monday	20	V	International Day of Happiness	75
Tuesday	21	VI	World Forestry Day	76
Wednesday	22	-	Telugu New Year World Day of Water	-
Thursday	23	VII	World Meteorological Day	77
Friday	24	I		78
Saturday	25	-		-
Sunday	26	-		-
Monday	27	II	ESE (Practical) Commences for all students	79
Tuesday	28	III		80
Wednesday	29	IV		81
Thursday	30	V		82
Friday	31	VI		83
NO OF WORKING DAYS: 24				

DAY	DATE	DAY ORDER	APRIL 2023	NO OF WORKING DAYS
			PARTICULARS	
Saturday	1	VII		84
Sunday	2	-		-
Monday	3	I		85
Tuesday	4	-	Mahavir Jayanti	-
Wednesday	5	II		86
Thursday	6	III		87
Friday	7	-	Good Friday	-
Saturday	8	-		-
Sunday	9	-		-
Monday	10	IV		88
Tuesday	11	V		89
Wednesday	12	VI	Last Working Day for all students (Even semester)	90
Thursday	13			
Friday	14		Dr Ambedkar Jayanti Tamil New Year	
Saturday	15			
Sunday	16			
Monday	17			
Tuesday	18			
Wednesday	19			
Thursday	20			
Friday	21			
Saturday	22		Idul Fitr	
Sunday	23			
Monday	24		ESE (Theory) Commences for all students	
Tuesday	25			
Wednesday	26			
Thursday	27			
Friday	28			
Saturday	29			
Sunday	30			
NO OF WORKING DAYS:7				

DAY	DATE	DAY ORDER	MAY 2023	NO OF WORKING DAYS
			PARTICULARS	
Monday	1		May Day	
Tuesday	2			
Wednesday	3			
Thursday	4			
Friday	5			
Saturday	6			
Sunday	7			
Monday	8			
Tuesday	9			
Wednesday	10			
Thursday	11			
Friday	12			
Saturday	13			
Sunday	14			
Monday	15			
Tuesday	16			
Wednesday	17			
Thursday	18			

Friday	19			
Saturday	20			
Sunday	21			
Monday	22			
Tuesday	23			
Wednesday	24			
Thursday	25			
Friday	26			
Saturday	27			
Sunday	28			
Monday	29			
Tuesday	30			
NO OF WORKING DAYS:				

SECOND ALLIED II – BIOINSTRUMENTATION

(For those who joined since 2021-22)

Semester: IV

Sub.Code: HB MBA44

Hours per week: 6

Credits: 5

Course Outcomes:

Upon completion of the course, students will be able to

CO 1: Gain knowledge on the instruments used in the field of biology

CO 2: Describes the working principle of microscopy

CO 3: Conceptualize the principles and working techniques of chromatography and its types

CO 4: Explains about spectrophotometer, Atomic Absorption Spectroscopy

CO 5: Illustrate the centrifugation and the basic principles involved in the sedimentation.

CO 6: Elucidate the electrophoretic technique, AGE, PAGE.

Unit I (18hours)

Preparation of solutions – solute, solvent, molarity, buffer, normality, polarity, ppm, pH solution

Unit II (18hours)

Chromatography – General principles and definitions, R_f value; Paper chromatography – Descending and 2-D, TLC, HPTLC, Adsorption chromatography, Gas Liquid Chromatography – Mass Spectrometry, Gel filtration, Affinity Chromatography, Ion-exchange Chromatography, HPLC

Unit III (18hours)

Spectrophotometry – Principle and applications of spectrophotometer – visible, ultra violet and infra-red; Atomic Absorption Spectroscopy. Colorimetry, turbidometry, pH meter, FTIR

Filters – Seitz, HEPA, Membrane; Lyophilizer

Unit IV (18 hours)

Separation Techniques – Centrifugation – Basic principles of sedimentation, RCF and sedimentation coefficient; types of centrifuges – Preparative and analytical centrifugation; rotors – fixed angle and swinging bucket rotors, differential

centrifugation, density gradient centrifugation and ultracentrifugation, sonicator and sonication

Unit V

(18 hours)

Electrophoretic Techniques – Electrophoresis – Principle and application of AGE, SDS –PAGE, Isoelectric focusing, Pulsed field Electrophoresis and 2-D Gel Electrophoresis

Textbooks:

1. Palanivelu, **Analytical Biochemistry and Separation Techniques**, Twenty First Century Publications, Madurai, Third Edition, 2004.
2. Brown D.R., **Chromatography**, Publishing House, New Delhi, 2005.
3. Marimuthu R., **Microscopy and Micro Technique**, MJP Publishers, Chennai, 2008.

Reference Books:

1. John G. Webster, **Bioinstrumentation**, University of Wisconsin, John Wiley & Sons, Inc. 2008.
2. Anderson, J., Duros, B.H. and Poole M., **Thesis and assignment writing**, Wiley Eastern Ltd., New Delhi, 2011.
3. Murphy D B., Davidson M W., **Fundamentals of Light Microscopy and Electronic Imaging**, Wiley-Blackwell, 2012

Web Resources:

1. <https://nptel.ac.in/courses/102/103/102103044/>
2. <https://www.technologygateway.ie/how-can-high-performance-thin-layer-chromatography-hptlc-help-your-company/>
3. [https://www.azolifesciences.com/amp/article/What-is-Gas-Chromatography-Mass-Spectrometry-\(GC-MS\).aspx](https://www.azolifesciences.com/amp/article/What-is-Gas-Chromatography-Mass-Spectrometry-(GC-MS).aspx)
4. <https://www.britannica.com/science/spectrophotometry>
5. <https://homogenizers.net/blogs/blog/differences-between-ultrasonic-baths-and-ultrasonic-homogenizers>

Hour Day Order	I	II	III	IV	V
Time	09.10 am 10.05 am	10.05 am 10.20 am	11.15 am 12.10 pm	01.00 pm 01.55 pm	01.55 pm 02.50 pm
I		BT II UG (MB)			
II			BT II UG (MB)		
III					
IV			BT II UG (MB)		BT II UG (NMH)
V					BT II UG (MB)
VI			BT II UG (NMH)		
VII					

Revision No: 00

An effective date : 12-12-22

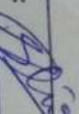
Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit I
1.	08/12/22	I	2	Syllabus Orientation
2.	09/12/22	II	3	Preparation of solutions
3.	13/12/22	IV	3	Solute
4.	14/12/22	V	5	Solvent
5.	17/12/22	I	2	Molarity
6.	19/12/22	II	3	Molarity
7.	21/12/22	IV	3	Normality
8.	22/12/22	V	5	Normality
9.	27/12/22	I	2	— Revise
10.	28/12/22	II	3	Buffer
11.	30/12/22	IV	3	Buffer
12.	31/12/22	V	5	Molarity
13.	4/1/23	I	2	Molarity
14.	5/1/23	II	3	ppm
15.	9/1/23	IV	3	ppm
16.	10/1/23	V	5	PH Solution
17.	13/1/23	I	2	PH Solution
18.	14/1/23	II	3	— Revise

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Covered - Unit I	SS
1	12/12/22	I	2	Syllabus Orientation	Done
2	13/12/22	II	3	Preparation of solutions	Done
3	15/12/22	IV	3	Solute	Done
4	16/12/22	V	5	Solvent	Done
5	20/12/22	I	2	Molarity	Done
6	21/12/22	II	3	Molarity	Done
7	23/12/22	IV	3	Normality	Done
8	27/12/22	V	5	Normality	Done
9	30/12/22	I	2	Buffer	Done
10	2/1/23	II	3	Buffer	Done
11	4/1/23	IV	3	Molarity	Done
12	5/1/23	V	5	ppm	Done
13	10/1/23	I	2	PH solution	Done
14	13/1/23	II	3	Preparation of solution	Done
15	20/1/23	IV	3	— do —	Done
16	21/1/23	V	5	PH solution	Done
17	25/1/23	I	2	Molarity	Done
18	27/1/23	II	3	— Revise —	Done

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Lesson Plan for Regular Class Work

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit II
1	18/1/23	IV	3	Chromatography
2	19/1/23	V	5	General Principles & definition
3	24/1/23	I	2	Rf Value
4	25/1/23	II	3	Paper Chromatography
5	28/1/23	IV	3	Descending & 2D
6	30/1/23	V	5	TLC
7	2/2/23	I	2	TLC
8	3/2/23	II	3	HPTLC
9	6/2/23	IV	3	— Revise —
10	7/2/23	V	5	Adsorption Chromatography
11	10/2/23	I	2	Gas Liquid Chromatography
12	13/2/23	II	3	Mass Spectrometry
13	15/2/23	IV	3	Mass Spectrometry
14	16/2/23	V	5	Gel Permeation
15	20/2/23	I	2	Affinity Chromatography
16	21/2/23	II	3	Ion Exchange Chromatography
17	23/2/23	IV	3	HPLC
18	24/2/23	V	5	— Revise —

S. No.	Date	D/O	H	Topics Covered - Unit II	SS
1	20/1/23	IV	3	Chromatography	Pharm
2	31/1/23	V	5	General Principles & Definition	Pharm
3	3/2/23	I	2	Rf Value	Pharm
4	6/2/23	II	3	Paper Chromatography	Pharm
5	8/2/23	IV	3	Descending & 2D	Pharm
6	9/2/23	V	5	TLC	Pharm
7	14/2/23	I	2	HPTLC	Pharm
8	15/2/23	II	3	Adsorption Chromatography	Pharm
9	17/2/23	IV	3	Gas Liquid Chromatography	Pharm
10	18/2/23	V	5	Mass Spectrometry	Pharm
11	22/2/23	I	2	Gel Permeation	Pharm
12	23/2/23	II	3	Affinity Chromatography	Pharm
13	27/2/23	IV	3	Ion-Exchange Chromatography	Pharm
14	1/3/23	V	5	HPLC	Pharm
15	24/3/23	I	2	HPLC	Pharm
16	6/3/23	II	3	Adsorption Chromatography	Pharm
17	8/3/23	IV	3	Mass Spectrometry	Pharm
18	9/3/23	V	5	— Revise —	Pharm

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Lesson Plan for Regular Class Work

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit III
1	1/3/23	1	2	Spectrophotometry
2	2/3/23	11	3	Principle & applications of Spectrophotometry
3	4/3/23	14	3	Visible
4	6/3/23	V	5	Ultra violet
5	9/3/23	1	2	Angsa Red
6	10/3/23	11	3	Atomic Absorption Spectroscopy
7	14/3/23	14	3	Atomic Absorption Spectroscopy
8	15/3/23	V	5	Colorimetry
9	18/3/23	1	2	— Revise —
10	20/3/23	11	3	Colorimetry
11	23/3/23	14	3	turbidimetry
12	24/3/23	V	5	pH meter
13	29/3/23	1	2	FTIR.
14	30/3/23	11	3	Filters - Seitz
15	1/4/23	14	3	HEPA
16	3/4/23	V	5	Membrane
17	4/4/23	1	2	Hyophilizer
18	4/4/23	11	3	— Revise —

S. No.	Date	D/O	H	Topics Covered - Unit III	SS
1	14/3/23	1	2	Spectrophotometry	Atkins
2	15/3/23	11	3	Principle & application of Spectrophotometry	Atkins
3	17/3/23	14	3	Visible	Atkins
4	18/3/23	V	5	ultra violet	Atkins
5	23/3/23	1	2	Angsa Red	Atkins
6	24/3/23	11	3	Atomic Absorption Spectroscopy	Atkins
7	28/3/23	14	3	Colorimetry	Atkins
8	29/3/23	V	5	turbidimetry	Atkins
9	3/4/23	1	2	pH meter	Atkins
10	5/4/23	11	3	FTIR	Atkins
11	10/4/23	14	3	Filters - Seitz	Atkins
12	11/4/23	V	5	HEPA	Atkins
13	4/4/23	1	2	Membrane	Atkins
14	4/4/23	11	3	Hyophilizer	Atkins
15	4/4/23	14	3	Spectrophotometry	Atkins
16	4/4/23	V	5	Colorimetry	Atkins
17	4/4/23	1	2	FTIR	Atkins
18	4/4/23	11	3	— Revise —	Atkins

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Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit IV
1	18/12/22	IV	5	Separation Techniques -
2	15/12/22	IV	8	Centrifugation, 1
3	24/12/22	IV	5	Basic principles of Sedimentation,
4	23/12/22	IV	5	RCF and sedimentation coefficient
5	30/12/23	IV	5	Types of Centrifuges -
6	9/1/23	IV	3	Preparative and analytical
7	12/1/23	IV	5	Centrifugation
8	18/1/23	IV	3	Rotors - Fixed angle and swinging
9	20/1/23	IV	5	bucket rotors
10	28/1/23	IV	3	Differential Centrifugation.
11	31/1/23	IV	5	Density gradient Centrifugation
12	6/2/23	IV	3	Ultracentrifugation,
13	8/2/23	IV	5	Sonicator and Sonication
14	15/2/23	IV	3	Large Capacity Refrigerated Centrifuge
15	17/2/23	IV	5	Ultra Centrifuges.
16	23/2/23	IV	3	Continuous Flow Centrifuge
17	27/2/23	IV	5	Density Gradient Centrifuge
18	4/3/23	IV	3	— Revise —

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Covered - Unit IV	SS
1	15/12/22	IV	5	Separation Techniques	Good
2	17/12/22	IV	3	Centrifugation	Good
3	1/12/22	IV	3	Basic principles of Sedimentation	Good
4	23/12/22	IV	5	RCF and sedimentation coefficient	Good
5	28/12/22	IV	3	Types of Centrifuges	Good
6	4/1/23	IV	5	Preparative and analytical centrifugation	Good
7	11/1/23	IV	3	Rotors - Fixed angle	Good
8	20/1/23	IV	5	Swinging bucket Rotors	Good
9	23/1/23	IV	3	Differential Centrifugation	Good
10	30/1/23	IV	5	Density gradient Centrifugation	Good
11	1/2/23	IV	3	Ultra Centrifugation	Good
12	6/2/23	IV	3	Sonicator and Sonication	Good
13	8/2/23	IV	5	Large Capacity Refrigerated Centrifuge	Good
14	10/2/23	IV	3	Ultra Centrifuge	Good
15	11/2/23	IV	5	High Speed Refrigerated Centrifuge	Good
16	20/2/23	IV	3	Continuous Flow Centrifuge	Good
17	27/2/23	IV	5	Density Gradient Centrifuge	Good
18	2/3/23	IV	3	— Revise —	Good

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Lesson Plan for Regular Class Work

Lesson Plan for Regular Class Work

S. No.	Date	D/O	H	Topics Planned - Unit V
1	11/3/23	VI	8	Electrophoretic Technique - Electrophoresis
2	14/3/23	VI	3	principle and Application of more SDS-PAGE
3	16/3/23	VI	5	SDS-PAGE
4	23/3/23	VI	3	Isoelectric focusing
5	27/3/23	VI	5	Pulse field Electrophoresis
6	1/4/23	VI	3	2D-Field Gel Electrophoresis
7	5/4/23	VI	5	2D-Field Gel Electrophoresis
8	8/4/23	VI	3	2D-Field Gel Electrophoresis
9	9/4/23	VI	5	Reverse
10	9/4/23	VI	3	Moving Boundary Electrophoresis
11	9/4/23	VI	5	Zone Electrophoresis
12	9/4/23	VI	3	Agarose gel electrophoresis
13	9/4/23	VI	5	Slab gel electrophoresis
14	9/4/23	VI	3	Column electrophoresis
15	9/4/23	VI	5	Free electric focusing
16	9/4/23	VI	3	Submarine gel electrophoresis
17	9/4/23	VI	5	Phage-coupled gel electrophoresis
18	9/4/23	VI	3	Reverse

S. No.	Date	D/O	H	Topics Covered - Unit V	SS
1.	8/3/23	VI	5	Electrophoresis	Quincy
2	10/3/23	VI	3	principle and Application of more SDS-PAGE	Pulse
3	11/3/23	VI	5	SDS-PAGE	Quincy
4	21/3/23	VI	3	Isoelectric focusing	Quincy
5	28/3/23	VI	5	Pulse field Electrophoresis	Quincy
6	30/3/23	VI	3	2D-Field Gel Electrophoresis	Quincy
7	10/4/23	VI	5	2D-Field Gel Electrophoresis	Quincy
8	12/4/23	VI	3	2D-Field Gel Electrophoresis	Quincy
9	9/4/23	VI	5	Reverse	Quincy
10	9/4/23	VI	3	Moving Boundary Electrophoresis	Quincy
11	9/4/23	VI	5	Zone Electrophoresis	Quincy
12	9/4/23	VI	3	Agarose gel electrophoresis	Quincy
13	9/4/23	VI	5	Slab gel electrophoresis	Quincy
14	9/4/23	VI	3	Column electrophoresis	Quincy
15	9/4/23	VI	5	Free electric focusing	Quincy
16	9/4/23	VI	3	Submarine gel electrophoresis	Quincy
17	9/4/23	VI	5	Phage-coupled gel electrophoresis	Quincy
18	9/4/23	VI	3	Reverse	Quincy

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