

TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject: Mathematics

Name of the Lecturer: M. Alkya

Month & Year: January - 2023

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
	6/1/2023	Friday	III rd Yr	4	EM	Theory	unit-2 central difference introduction	Lecture Method	15	BlackBoard	Question & Answer method	
							Definitions					
			II nd Yr	5	EM	Theory	unit-3 Normal subgroups	Lecture Method	8	BlackBoard	Question & Answer method	
							Introduction					
			II nd Yr	6	EM	Theory	unit-1 Differential Equations	Lecture Method	5	BlackBoard	Question & Answer method	
							change of variables, Introduction					
	7/1/2023	Saturday	III rd Yr	1	EM	Theory	2.1.1 Gauss's central difference	Lecture Method	14	BlackBoard	Question & Answer method	
							Formulae, Gauss forward theorem & proof					
			II nd Yr	2	EM	Theory	Theorem 3.1 Every subgroup of an	Lecture Method	8	BlackBoard	Question & Answer method	
							abelian groups normal, definitions					
			II nd Yr	3	EM	Theory	Differential Equation Method-I	Lecture Method	5	BlackBoard	Question & Answer method	
			III rd Yr	4,5,6	EM	Theory	Gauss Backward, theorem proof and problems 1 to 4	Lecture Method	14	BlackBoard	Question & Answer method	
	8/1/2023	Sunday	-	-	-	-	-	-	-	-	-	-
	9/1/2023	Monday	III rd Yr	3	EM	Theory	Gauss Backward Theorem problems 5 to 6	Lecture Method	12	BlackBoard	Question & Answer method	
			II nd Yr	4	EM	Theory	theorem of 3.2 theorem proof	Lecture Method	8	BlackBoard	Question & Answer method	
			II nd Yr	5	EM	Theory	Differential equation method - problems	Lecture Method	5	BlackBoard	Question & Answer method	
	10/1/2023	Tuesday	II nd Yr	4	EM	Theory	Differential equation method-II Explain	Lecture Method	5	BlackBoard	Question & Answer method	
			II nd Yr	5	EM	Theory	Theorem 3.3 Right coset & left coset	Lecture Method	8	BlackBoard	Question & Answer method	
			II nd Yr	6	EM	Theory	practice problems on Backward Gauss		10	BlackBoard	Question & Answer	
	11/1/2023	Wednesday	II nd Yr	4	EM	Theory	theorem & proof Stirling's Difference	Lecture Method	12	BlackBoard	Question & Answer method	
			II nd Yr	5	EM	Theory	Formula problems on Stirling difference	Lecture Method	12	BlackBoard	Question & Answer method	
			II nd Yr	6	EM	Theory	Theorem 3.4, Theorem & Formula	Lecture Method	7	BlackBoard	Question & Answer method	

M. Alkya
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Name of the Lecturer: M. Atkya

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S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
	12/1/2023											
	to						Pongal Hddidays					
	19/1/2023											
	20/1/2023	Friday	IIImpcs	1	EIM	Theory	stirling formula problems	Lecture Method	15	Black Board	Question & Answer method	
			IImpcs	2	EIM	Theory		Lecture Method	7	Black Board	Question & Answer method	
			Impcs	3	EIM	Theory	Existence & uniqueness theorem	Lecture Method	5	Black Board	Question & Answer method	
			IIImpcs	4	EIM	Theory	practice & Given problems stirling formula	Lecture Method	15	Black Board	Question & Answer method	
			IImpcs	5	EIM	Theory	Exercise, Theorem 3.15 theorem & proof	Lecture Method	7	Black Board	Question & Answer method	
			Impcs	6	EIM	Theory	solved problems existence uniqueness theorem	Lecture Method	5	Black Board	Question & Answer method	
	21/1/2023	Saturday	IIImpcs	1	EIM	Theory	Bessel's difference formula theorem	Lecture Method	14	Black Board	Question & Answer method	
			IImpcs	2	EIM	Theory	Theorem 3.6' Theorem & proof	Lecture Method	7	Black Board	Question & Answer method	
			Impcs	3	EIM	Theory	Homogeneous differential equation	Lecture Method	5	Black Board	Question & Answer method	
			IIImpcs	4,5,6	EIM	Theory	Practice & Given problems Bessel's difference	Lecture Method	14	Black Board	Question & Answer method	
	22/1/2023	Monday	IIImpcs	3	EIM	Theory	Evartt's difference formula theorem	Lecture Method	15	Black Board	Question & Answer method	
			IImpcs	4	EIM	Theory	Exercise 3.6 The intersection of any normal subgroups of group	Lecture Method	7	Black Board	Question & Answer method	
			Impcs	5	EIM	Theory	solved problems Homogenous Equations	Lecture Method	5	Black Board	Question & Answer method	
	23/1/2023	Tuesday	Impcs		EIM	Theory	solved problems Homogenous Equations	Lecture Method	5	Black Board	Question & Answer method	
			IImpcs		EIM	Theory	Theorem 3.8 M & N normal subgroups	Lecture Method	8	Black Board	Question & Answer method	
			IIImpcs		EIM	Theory	Evartt's difference problems	Lecture Method	15	Black Board	Question & Answer method	
	25/1/2023	Wednesday	IIImpcs	4	EIM	Theory	problems & Practice Evartt's problems	Lecture Method	16	Black Board	Question & Answer method	
			IImpcs	5	EIM	Theory	Exercise 2.1 problems practice	Lecture Method	16	Black Board	Question & Answer method	
			Impcs	6	EIM	Theory	Theorem 3.9 M, N normal subgroups M ∩ N = 2Z	Lecture Method	8	Black Board	Question & Answer method	
	26/1/2023	Thursday					→ Republic Day ←					
	27/1/2023	Friday	IIImpcs	1	EIM	Theory	Paper - I (A) mathematical special functions	Lecture Method	16	Black Board	Question & Answer method	
		Thursday	IImpcs	2	EIM	Theory	Theorem 3.9 & Definitions	Lecture Method	8	Black Board	Question & Answer method	
		Friday	Impcs	3	EIM	Theory	Equations reducible to homogeneous	Lecture Method	5	Black Board	Question & Answer method	
		Thursday	IIImpcs	4	EIM	Theory	Problems on Beta & Gamma functions	Lecture Method	16	Black Board	Question & Answer method	
		Friday	IImpcs	5	EIM	Theory	Theorem 1.15 Subgroup & N is normal subgroup of G (M, N is subgroup of G)	Lecture Method	8	Black Board	Question & Answer method	

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S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
	28/1/2023	Saturday	II Imps	1	Em	Theory	Problems 5 to 8 sums	Lecture method	15	Black Board	Question & Answer method	
			II Imps	2	Em	Theory	Normalizer Definition & Theorem 3.11	Lecture method	9	Black Board	Question & Answer method	
			II Imps	3	Em	Theory	problems equations reducible	Lecture method	5	Black Board	Question & Answer method	
			II Imps	4	Em	Theory	Missing terms expansion & definition	Lecture method	15	Black Board	Question & Answer method	
			II Imps	5	Em	Theory	Problems of missing terms	Lecture method	15	Black Board	Question & Answer method	
			II Imps	6	Em	Theory	factorial notation definition	Lecture method	15	Black Board	Question & Answer method	
	30/1/2023	Monday	II Imps	3	Em	Theory	Factorial notation examples	Lecture method	14	Black Board	Question & Answer method	
			II Imps	4	Em	Theory	centraliser & definition & theorem	Lecture method	8	Black Board	Question & Answer method	
			II Imps	5	Em	Theory	solved problems Ex 6.1 (d)	Lecture method	5	Black Board	Question & Answer method	
	2/2/2023	Tuesday	II Imps	4	Em	Theory	ord 2 differential equations of first order	Lecture method	5	Black Board	Question & Answer method	
			II Imps	5	Em	Theory	simple group definition & theorem	Lecture method	8	Black Board	Question & Answer method	
			II Imps	6	Em	Theory	Reciprocal factorial notation	Lecture method	14	Black Board	Question & Answer method	

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TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject : Mathematics

Name of the Lecturer : M. Atkya

Month & Year : February & 2023

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
1	1/2/23	Wednesday	III Impc	4	Em	Theory	Interpolation with equal interval	Lecture method	16	Blackboard	Question & answer method	
			III Impc	5	Em	Theory	Gauss's Forward interpolation	Lecture method	16	Blackboard	Question & answer method	
			III Impc	6	Em	Theory	Gauss's Backward interpolation	Lecture method	16	Blackboard	Question & answer method	
2	2/2/23	Thursday	III Impc	1	Em	Theory	Stirling's formulae	Lecture method	17	Blackboard	Question & answer method	
			III Impcs	2	Em	Theory	quotient group & sub group	Lecture method	9	Blackboard	Question & answer method	
			III Impcs	3	Em	Theory	Equations solvable for x^1	Lecture method	4	Blackboard	Question & answer method	
			III Impc	4	Em	Theory	Gauss's Backward interpolation	Lecture method	17	Blackboard	Question & answer method	
			III Impcs	5	Em	Theory	theorem 3.16 & 3.17	Lecture method	9	Blackboard	Question & answer method	
			III Impcs	6	Em	Theory	Solved Examples & Exercise	Lecture method	9	Blackboard	Question & answer method	
3	3/2/23	Friday	III Impc	1	Em	Theory	central difference symbolic	Lecture method	17	Blackboard	Question & answer method	
			III Impcs	2	Em	Theory	unit-4 Homomorphism Introduction	Lecture method	9	Blackboard	Question & answer method	
			III Impcs	3	Em	Theory	Equations that do not contain x^1	Lecture method	4	Blackboard	Question & answer method	
			III Impc	4	Em	Theory	Advancing Difference formula	Lecture method	17	Blackboard	Question & answer method	
			III Impcs	5	Em	Theory	theorem 4.1 & Image & theorem 4.2	Lecture method	9	Blackboard	Question & answer method	
			III Impcs	6	Em	Theory	Equations of the first degree in xy	Lecture method	4	Blackboard	Question & answer method	
4	4/2/23	Saturday	III Impc	1	Em	Theory	n^{th} differences	Lecture method	17	Blackboard	Question & answer method	
			III Impcs	2	Em	Theory	kernel definition & theorems 4.4 & 4.5	Lecture method	8	Blackboard	Question & answer method	
			III Impcs	3	Em	Theory	Clairaut's Equation	Lecture method	4	Blackboard	Question & answer method	
			III Impc	4	Em	Theory	Differences of Factorial Polynomial	Lecture method	17	Blackboard	Question & answer method	
			III Impc	5	Em	Theory	summation of series	Lecture method	17	Blackboard	Question & answer method	
			III Impc	6	Em	Theory	Newton's formulae for interpolation	Lecture method	17	Blackboard	Question & answer method	
5	5/2/23	Sunday										
6	6/2/23	Monday	III Impc	1	Em		Newton's, Central Difference interpolation	Lecture method	16	Blackboard	Question & answer method	
			III Impcs	2	Em		show that groups are isomorphic	Lecture method	16	Blackboard	Question & answer method	
			III Impcs	3	Em		unit-III Higher order linear differential Equation	Lecture method	16	Blackboard	Question & answer method	
7	7/2/23	Tuesday	III Impcs		Em	Theory	Percentages	Lecture method	70	Blackboard	Question & answer method	

M. Atkya
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TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject : mathematics

Name of the Lecturer : M. Alekya

Month & Year : February 2023

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
8	8/2/23	Wednesday	IIImpc	4	Em	Theory	Gauss Forward interpolation formula	lecture method	16	Blackboard	question & answer method	
			IIImpc	5	Em	Theory	Gauss Backward interpolation formula	lecture method	16	Blackboard	question & answer method	
			IIImpc	6	Em	Theory	Stirling's formulae, Bessel's formulae	lecture method	16	Blackboard	question & answer method	
9	9/2/23	Thursday	IIImpc	1	Em	Theory		lecture method	17	Blackboard	question & answer method	
			IIImpc	2	Em	Theory	Fundamental theorem of Homomorphism	lecture method	9	Blackboard	question & answer method	
			IIImpc	3	Em	Theory	Solution of homogeneous linear diffn order n.	lecture method	4	Blackboard	question & answer method	
			IIImpc	4	Em	Theory	Interpolation with unevenly spaced points	lecture method	17	Blackboard	question & answer method	
			IIImpc	5	Em	Theory	Inner Automorphism & solved examples	lecture method	9	Blackboard	question & answer method	
			IIImpc	6	Em	Theory	Exercise - 4 1 to 10 problems	lecture method	9	Blackboard	question & answer method	
10	10/2/23	Friday	IIImpc	1	Em	Theory	Divided differences & properties neobn's divided difference	lecture method	17	Blackboard	question & answer method	
			IIImpc	2	Em	Theory	Exercise 11 to 20 problems	lecture method	9	Blackboard	question & answer method	
			IIImpc	3	Em	Theory	Solution of non-homogeneous linear diffn	lecture method	4	Blackboard	question & answer method	
			IIImpc	4	Em	Theory	divided differences and properties	lecture method	17	Blackboard	question & answer method	
			IIImpc	5	Em	Theory	practice the sums & given exercise	lecture method	9	Blackboard	question & answer method	
			IIImpc	6	Em	Theory	roots of polynomial operators	lecture method	4	Blackboard	question & answer method	
11	11/2/23	Saturday			II - Saturday							
12	12/2/23	Sunday										
13	13/2/23	Monday	IIImpc	3	Em	Theory	Lagrange's interpolation formula	lecture method	17	Blackboard	question & answer method	
			IIImpc	5	Em	Theory	Higher order linear differential equations with constant coefficient sums	lecture method	4	Blackboard	question & answer method	
			IIImpc	6	Em	Theory		lecture method	4	Blackboard	question & answer method	
14	14/2/23	Tuesday										
15	15/2/23	Wednesday	IIImpc	4	Em	Theory	Lagrange's inverse interpolation formula	lecture method	17	Blackboard	question & answer method	
			IIImpc	5	Em	Theory	Newton's Basic word difference formula	lecture method	17	Blackboard	question & answer method	
			IIImpc	6	Em	Theory	Derivatives using Newton's forward difference formula	lecture method	17	Blackboard	question & answer method	
16	16/2/23	Thursday	IIImpc	1	Em	Theory	Lagrange's inverse interpolation formula	lecture method	16	Blackboard	question & answer method	
			IIImpc	2	Em	Theory	unit-5 permutational Groups & Introduction	lecture method	16	Blackboard	question & answer method	

M. Alekya
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TEACHING DIARY FOR THE YEAR 2022

- 2023

Name of the Department / Subject : mathematics

Name of the Lecturer : M. Sulekha

Month & Year : February 2023

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
			Impcs	3	Em	Theory	Unit 3 Higher order linear differentiation	lecture method	4	Blackboard	Question & Answer method	
			Impcs	4	Am	Theory	derivatives using Newton's forward difference formula	lecture method	16	Blackboard	Question & Answer method	
			Impcs	5	Em	Theory	Inverse permutation & cyclic permutation	lecture method	9	Blackboard	Question & Answer method	
			Impcs	6	Am	Theory	Inverse of a cyclic permutation & problems	lecture method	9	Blackboard	Question & Answer method	
17	17/2/23	Friday	Impcs	1	Em	Theory	Newton's Backward difference formula	lecture method	17	Blackboard	Question & Answer method	
			Impcs	2	Em	Theory	Cayley's theorem exercise	lecture method	9	Blackboard	Question & Answer method	
			Impcs	3	Em	Theory	Methods of variations of parameters	lecture method	4	Blackboard	Question & Answer method	
			Impcs	4	Am	Theory	Newton's Backward difference formula	lecture method	17	Blackboard	Question & Answer method	
			Impcs	5	Em	Theory	Cyclic groups & Introductory theorems	lecture method	9	Blackboard	Question & Answer method	
			Impcs	6	Em	Theory	Linear differential equations	lecture method	4	Blackboard	Question & Answer method	
18	18/2/23	Saturday	MAHASHIVARATHRI									
19	19/2/23	← SUNDAY →										
20	20/2/23	Monday	Impcs	3			Derivatives using central difference formula	lecture method	16	Blackboard	Question & Answer method	
			Impcs	5			- mid exam conducted.	lecture method	4	Blackboard	Question & Answer method	
			Impcs	6			- practice given some	lecture method	4	Blackboard	Question & Answer method	
21	21/2/23	Tuesday	B.A/B.Com B.Sc/Eng/Arts	3			partnership / pictograph	lecture method	70	Blackboard	Question & Answer method	
22	22/2/23	Wednesday	Impcs	4	Em	Theory	Stirling's interpolation formula	lecture method	16	Blackboard	Question & Answer method	
			Impcs	5	Em	Theory	Newton's divided difference formula	lecture method	16	Blackboard	Question & Answer method	
			Impcs	6	Em	Theory	Maximum and minimum values of a tabulated function.	lecture method	16	Blackboard	Question & Answer method	
23	23/2/23	Thursday	Impcs	1			unit-4: Numericals Integration		16			
			Impcs	2	Em	Theory	Mid - I Exam conducted.	lecture method	9	Blackboard	Question & Answer method	
			Impcs	3	Am	Theory	Linear differential Equations with non-constant coefficients	lecture method	5	Blackboard	Question & Answer method	
			Impcs	4	Em	Theory	General quadratic formula trapezoidal rule	lecture method	16	Blackboard	Question & Answer method	
			Impcs	5	Em	Theory	Simpon's 1/3 rule, simpon's 3/8 rule.	lecture method	9	Blackboard	Question & Answer method	
			Impcs	6	Em	Theory	Revision some given.	lecture method	9	Blackboard	Question & Answer method	
24	24/2/23	Friday	Impcs	1	Em	Theory	weddle's rule.	lecture method	16	Blackboard	Question & Answer method	
			Impcs	2	Em	Theory	F.	lecture method	8	Blackboard	Question & Answer method	
			Impcs	3	Em	Theory	The Cauchy's - Schwarz equation	lecture method	5	Blackboard	Question & Answer method	
			Impcs	4	Em	Theory	Euler - Maclaurin formula of summation	lecture method	16	Blackboard	Question & Answer method	
			Impcs	5	Em	Theory	Practice of given sums	lecture method	8	Blackboard	Question & Answer method	
			Impcs	6	Em	Theory	Practice sums given	lecture method	6	Blackboard	Question & Answer method	

M. Sulekha
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TEACHING DIARY FOR THE YEAR 2022 - 2023

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Name of the Lecturer : M. Alekya

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25	25/2/23	Saturday	III Impc	1	Em	Theory	quadratics	lecture method	15	Blackboard	Question & Answer method	
				2	Em	Theory	MPd-II Exam conducted	lecture method	9	Blackboard	Question & Answer method	
				3	Em	Theory	assignment conducted	lecture method	4	Blackboard	Question & Answer method	
				4	Em	Theory	the Euler's Transformation	lecture method	15	Blackboard	Question & Answer method	
				5	Em	Theory	unit 5: numerical solution of ordinary differential Equations	lecture method	15	Blackboard	Question & Answer method	
				6	Em	Theory	Introduction, solution by Taylor's series	lecture method	15	Blackboard	Question & Answer method	
26	27/2/23	Monday	III Impc	3	Em	Theory	Picard's method of successive approximations	lecture method	14	Blackboard	Question & Answer method	
				4	Em	Theory	Revision of sums given	lecture method	9	Blackboard	Question & Answer method	
				5	Em	Theory	Mid-I conducted	lecture method	4	Blackboard	Question & Answer method	
27	28/2/23	Tuesday	II, BSc B.A/B.Com	3	Em	Theory	profit and loss/Averages	lecture method	73	Blackboard	Question & Answer method	
				-	Em	Theory	Assignment II conducted	lecture method	5	Blackboard	Question & Answer method	
				-	Em	Theory	Euler's method, Runge-Kutta method	lecture method	17	Blackboard	Question & Answer method	
28	1/3/23	Wed	III Impc	4	Em	Theory	Hermite-Difference Equations.	lecture method	17	Blackboard	Question/Answer	
				5	Em	Theory	solution of Hermite-Equation, Hermite Polynomials.	lecture method	17	Blackboard	Q/A method	
				6	Em	Theory	Generating function for Hermite polynomials	lecture method	17	Blackboard	Q/A method	
29	2/3/23	Thur	III Impc	1	Em	Theory	orthogonal properties of Hermite polynomials	lecture method	15	Blackboard	Q/A method	
				2, 4, 6	Em	Theory	Revision	lecture method	15	Blackboard	Q/A method	
				3	Em	Theory	mid-II conducted	lecture method	5	Blackboard	Q/A method	
				5	Em	Theory	Recurrence formulae for Hermite polynomials	lecture method	15	Blackboard	Q/A method	
30	3/3/23	Friday	III Impc	1	Em	Theory	Legendre polynomials, Def, solution of Legendre equation	lecture method	15	Blackboard	Q/A method	
				3	Em	Theory	Revision & practice sums.	lecture method	5	Blackboard	Q/A method	
				4	Em	Theory	Legendre polynomials of degree 'n'	lecture method	15	Blackboard	Q/A method	
				6	Em	Theory	Seminars given	lecture method	5	Blackboard	Q/A method	
4/3/23	Sat	III Impc	1	Em	Theory	definition solution of Legendre's equation	lecture method	15	Blackboard	Q/A method		
			2	Em	Theory	Legendre polynomials of degree 'n'	lecture method	15	Blackboard	Q/A method		
			4	Em	Theory	Generating function of Legendre polynomials	lecture method	15	Blackboard	Q/A method		
			5	Em	Theory	definition of $P_n(x)$ & $Q_n(x)$ general solution	lecture method	15	Blackboard	Q/A method		
			6	Em	Theory	orthogonal properties of Legendre polynomials	lecture method	15	Blackboard	Q/A method		

M. Alekya
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Name of the Lecturer: M. Alkya

Month & Year: March 2023

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
1	5/3/2023	Sunday										
	6/3/2023	Mon	III rd BSc	3	em	Theory	Recurrence formulas for Legendre's polynomials	Lecture method	15	Black Board	Q/A method	
			III rd BSc	4	em	Theory	Legendre's polynomials	Lecture method	15	Black Board	Q/A method	
			III rd BSc	5	em	Theory	Poisson's equation	Lecture method	15	Black Board	Q/A method	
	7/3/2023	Tues	III rd BSc	1	em	Theory	Definition, solution of Bessel's equation	Lecture method	15	Black Board	Q/A method	
			III rd BSc	3	em	Theory	Bessel's functions of the first kind order n	Lecture method	15	Black Board	Q/A method	
			III rd BSc	4	em	Theory	Bessel's functions of the second kind	Lecture method	15	Black Board	Q/A method	
			III rd BSc	5	em	Theory	unit - I & II units Revisions	Lecture method	15	Black Board	Q/A method	
	8/3/2023	Wed	III rd BSc	1	em	Theory	Integration of Bessel's Equations	Lecture method	17	Black Board	Q/A method	
			III rd BSc	3	em	Theory	Definition, J _n (x) Recurrence	Lecture method	17	Black Board	Q/A method	
			III rd BSc	4	em	Theory	Generating function for J _n (x)	Lecture method	17	Black Board	Q/A method	
			III rd BSc	5	em	Theory	Revision sums given	Lecture method	5	Black Board	Q/A method	
	9/3/2023	Thurs	III rd BSc	1	em	Theory	Orthogonality of Bessel functions	Lecture method	17	Black Board	Q/A method	
			III rd BSc	3	em	Theory	practice given sum.	Lecture method	17	Black Board	Q/A method	
			III rd BSc	4	em	Theory	mid I exam conducted	Lecture method	17	Black Board	Q/A method	
			III rd BSc	5	em	Theory	mid exam II questions given	Lecture method	5	Black Board	Q/A method	
	10/3/2023	Fri	III rd BSc	1	em	Theory	Assignment - II conducted	Lecture method	17	Black Board	Q/A method	
			III rd BSc	3	em	Theory	Assignment & seminar.	Lecture method	17	Black Board	Q/A method	
			III rd BSc	5	em	Theory	practical questions given.	Lecture method	5	Black Board	Q/A method	
	11/3/2023	Sat	III rd BSc	1	em	Theory	practice unit - I & II	Lecture method	17	Black Board	Q/A method	
			III rd BSc	3	em	Theory	practice - III & IV problems	Lecture method	17	Black Board	Q/A method	
			III rd BSc	5	em	Theory	practice paper - II	Lecture method	17	Black Board	Q/A method	
	12/3/2023	Mon	III rd BSc	1	em	Theory	practice given sum.	Lecture method	17	Black Board	Q/A method	
			III rd BSc	3	em	Theory	practice sums given.	Lecture method	17	Black Board	Q/A method	
			III rd BSc	5	em	Theory	practice questions given.	Lecture method	17	Black Board	Q/A method	
			III rd BSc	6	em	Theory	practical question practice.	Lecture method	5	Black Board	Q/A method	
			III rd BSc				Exams → V semester and Exams timetable					

M. Alkya
Signature of the Lecturer

M. Alkya
Signature of the Department In-Charge

Signature of the Principal

Principal
M. Alkya
10/3/2023

TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject : Mathematics

Name of the Lecturer : M. Dileep

Month & Year : April

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
1	27/4/23	Sat	IImpcs	2	Em	Theory	unit-I Real Numbers the algebraic and order properties	lecture method	9	Black Board	Q/A method	
			IImpcs	3	Em	Theory	absolute value and Real line	lecture method	9	Black Board	Q/A method	
			IImpcs	4	Em	Theory	Completeness property of \mathbb{R} .	lecture method	9	Black Board	Q/A method	
			IImpcs	5	Em	Theory	Applications of Supremum property	lecture method	9	Black Board	Q/A method	
	28/4/23	Mon	IImpcs	2	Em	Theory	Intervals, No. Questions to test	lecture method	5	Black Board	Q/A method	
			IImpcs	3	Em	Theory	Linear Algebra-II vector spaces	lecture method	9	Black Board	Q/A method	
			IImpcs	4	Em	Theory	General properties of vector space	lecture method	9	Black Board	Q/A method	
			IImpcs	5	Em	Theory	n^{th} dimensional vectors.	lecture method	9	Black Board	Q/A method	
	29/4/23	Tue	IImpcs	2	Em	Theory	Sequences unit-2	lecture method	5	Black Board	Q/A method	
			IImpcs	3	Em	Theory	Sequences and their limits.	lecture method	9	Black Board	Q/A method	
			IImpcs	4	Em	Theory	Range and Boundedness of sequence	lecture method	9	Black Board	Q/A method	
			IImpcs	5	Em	Theory	Scalar multiplication of vectors	lecture method	5	Black Board	Q/A method	
			IImpcs	6	Em	Theory	Internal Composition - nullspace	lecture method	9	Black Board	Q/A method	
			IImpcs		Em	Theory	vector subspaces.	lecture method		Black Board	Q/A method	
	30/4/23	Wed	IImpcs	2	Em	Theory	Paper-IV Limit of a sequence & convergence	lecture method	9	Black Board	Q/A method	
			IImpcs	3	Em	Theory	The Cauchy's criterion, property	lecture method	9	Black Board	Q/A method	
			IImpcs	4	Em	Theory	Divergent sequences, monotone	lecture method	9	Black Board	Q/A method	
			IImpcs	5	Em	Theory	Necessary and sufficient condition	lecture method	9	Black Board	Q/A method	
	02/5/23	Fri	IImpcs	3	Em	Theory	Convergence of monotone sequence	lecture method	5	Black Board	Q/A method	
			IImpcs	4	Em	Theory	Limit point of sequence	lecture method	9	Black Board	Q/A method	
			IImpcs	5	Em	Theory	unit-III Linear transformations	lecture method	9	Black Board	Q/A method	
			IImpcs	6	Em	Theory	Linear operator	lecture method	9	Black Board	Q/A method	
	03/5/23	Sat	IImpcs	3	Em	Theory	sub sequences	lecture method	5	Black Board	Q/A method	
			IImpcs	4	Em	Theory	Bolzano-Weierstrass theorem	lecture method	9	Black Board	Q/A method	
			IImpcs	5	Em	Theory	LI sum and product of LI	lecture method	9	Black Board	Q/A method	
			IImpcs	6	Em	Theory	Cauchy sequences - Cauchy's good principle of convergence theorem	lecture method	9	Black Board	Q/A method	

M. Dileep
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M. Dileep
Signature of the Department In-Charge

[Signature]
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TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject : Mathematics

Name of the Lecturer : M. Alakya

Month & Year : April

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
	29/4/23	Tue	Impcs	3	em	Theory	Infinite series	lecture method	9	Black Board	Q/A method	
				4	em	Theory	Introduction to series	lr method	9	Black Board	Q/A method	
				5	em	Theory	Convergence of series.	lr method	9	Black Board	Q/A method	
	29/4/23	Tue	Impcs	3	em	Theory	unit-IV matrix	lr method	8	Black Board	Q/A method	
				4	em	Theory	Cauchy's general principle of convergence for series.	lecture method	8	Black Board	Q/A method	
				5	em	Theory		lecture method	8	Black Board	Q/A method	
	29/4/23	Wed	Impcs	3	em	Theory	matrices - elementary properties	lecture method	8	Black Board	Q/A method	
				4	em	Theory	test for convergence of series	lecture method	8	Black Board	Q/A method	
				5	em	Theory	problems of matrices	lecture method	8	Black Board	Q/A method	
	29/4/23	Thur	Impcs	3	em	Theory	Inverse matrices	lecture method	8	Black Board	Q/A method	
				4	em	Theory	series of non-negative terms	lecture method	8	Black Board	Q/A method	
				5	em	Theory	Rank of matrix	lecture method	8	Black Board	Q/A method	
	29/4/23	Fri	Impcs	3	em	Theory	Linear Equations	lecture method	9	Black Board	Q/A method	
				4	em	Theory	Absolute Convergence and Conditional	lecture method	9	Black Board	Q/A method	
				5	em	Theory	Convergence, Semi Convergence	lecture method	9	Black Board	Q/A method	
	30/4/23	Sat	Impcs	3	em	Theory	Characteristic roots	lecture method	9	Black Board	Q/A method	
				4	em	Theory	Limits and Continuity	lecture method	9	Black Board	Q/A method	
				5	em	Theory	characteristic value	lecture method	9	Black Board	Q/A method	

M. Alakya
Signature of the Lecturer

M. Alakya
Signature of the Department In-Charge

[Signature]
Signature of the Principal
Government Degree College
SEETHANAGARAM-533 287

TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject : Mathematics

Name of the Lecturer : M. Alloys

Month & Year : JUNE

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
	1/6/23	Sat	Impcs	2	Em	Theory	Real valued functions	Lecture method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	Boundness of a function.	Lecture method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	Limits of functions.	Lecture method	9	Black Board	Q/A method	
			Impcs	5	Em	Theory	Planes, equation of plane, its intercepts	Lecture method	5	Black Board	Q/A method	
	2/6/23	Mon	Impcs	3	Em	Theory	Equation of the plane through given points	Lecture method	5	Black Board	Q/A method	
			Impcs	4	Em	Theory	Some extensions of the limits	Lecture method	9	Black Board	Q/A method	
			Impcs	5	Em	Theory	Vectors of square	Lecture method	9	Black Board	Q/A method	
	19/6/23	Tue	Impcs	2	Em	Theory	Length of the perpendicular from	Lecture method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	Infinite limits	Lecture method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	Matrix Cayley	Lecture method	9	Black Board	Q/A method	
	15/6/23	Wed	Impcs	2	Em	Theory	Bisectors of angles b/w two planes	Lecture method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	Limits at infinity.	Lecture method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	Cayley-Hamilton theorem	Lecture method	9	Black Board	Q/A method	
	15/6/23	Thu	Impcs	2	Em	Theory	Combined equation of two planes	Lr method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	Differentiation units	Lr method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	Inner product spaces	Lr method	9	Black Board	Q/A method	
	7/6/23	Fri	Impcs	2	Em	Theory	Orthogonal projection of a plane	Lr method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	The derivability of a function	Lr method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	Euclidean and unitary spaces	Lr method	9	Black Board	Q/A method	
	8/6/23		Impcs	2	Em	Theory	The line \rightarrow equation of a line	Lr method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	Derivability and Continuity of a function	Lr method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	Graphical meaning of the derivative	Lr method	9	Black Board	Q/A method	

M. Alloys
Signature of the Lecturer

M. Alloys
Signature of the Department In-Charge

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SEETHANAGARAM-533 297
E.G.D., (A.F.)

TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject : Mathematics

Name of the Lecturer : M. Aditya

Month & Year JUNE

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
	9/6/23	Tue	Impcs	2	Em	Theory	Angle b/w a line and a plane	lecture method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	mean value theorem.	lecture method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	NBOM of length of arc etc	lecture method	9	Black Board	Q/A method	
	10/6/23	Fri	Impcs	2	Em	Theory	the condition that a given line may	lecture method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	Role's theorem,	lecture method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	the condition that two given lines are coplanar	lecture method	9	Black Board	Q/A method	
	10/6/23	Sat	Impcs	2	Em	Theory	number of arbitrary constants in the equations of a straight line,	lecture method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	Lagrange's Theorem.	lecture method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	sets of conditions	lecture method	9	Black Board	Q/A method	
	10/6/23		Impcs	5	Em	Theory	Revision some given	lecture method	5	Black Board	Q/A method	
			Impcs	6	Em	Theory	Revision some given.	lecture method	9	Black Board	Q/A method	
			Impcs	7	Em	Theory	Cauchy's mean value theorem	lecture method	9	Black Board	Q/A method	
	12/6/23	Mon	Impcs	2	Em	Theory	shortest distance	lecture method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	DuRoi + Riemann Integration.	lecture method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	Riemann integral Riemann integral	lecture method	9	Black Board	Q/A method	
			Impcs	5	Em	Theory	practice given some	lecture method	9	Black Board	Q/A method	
	13/6/23	Tue	Impcs	2	Em	Theory	the sphere.	lecture method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	Barboux theorem.	lecture method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	necessary and sufficient.	lecture method	9	Black Board	Q/A method	
			Impcs	5	Em	Theory	equation of the sphere	lecture method	9	Black Board	Q/A method	
	14/6/23	Wed	Impcs	2	Em	Theory	practice some given.	lecture method	5	Black Board	Q/A method	
			Impcs	3	Em	Theory	condition for R-integrability	lecture method	9	Black Board	Q/A method	
			Impcs	4	Em	Theory	plane sections of spheres	lecture method	9	Black Board	Q/A method	
			Impcs	5	Em	Theory	intersection of two spheres	lecture method	9	Black Board	Q/A method	

M. Aditya
Signature of the Lecturer

M. Aditya
Signature of the Department In-Charge

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SEETHANAGRAM-533 207
E.G.D., (A.P.)

TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject: Mathematics

Name of the Lecturer: M. D. Lekya

Month & Year: June

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
	15/6/23	Thu	Impes	2	Em	Theory	Equation of the sphere through four given points	lecture method	2	Black Board	Q/A method	
			Impes	3	Em	Theory	properties of integrable function	lecture method	4	Black Board	Q/A method	
			Impes	4	Em	Theory	Intersections of a sphere and a line	lecture method	5	Black Board	Q/A method	
			Impes	5	Em	Theory	Tangent plane	lecture method	6	Black Board	Q/A method	
	16/6/23	Fri	Impes	2	Em	Theory	Plane of Contact, polar plane	lecture method	2	Black Board	Q/A method	
			Impes	3	Em	Theory	Fundamental theorem	lecture method	3	Black Board	Q/A method	
			Impes	4	Em	Theory	practice given sums	lecture method	4	Black Board	Q/A method	
			Impes	5	Em	Theory		lecture method	5	Black Board	Q/A method	
	17/6/23	Sat	Impes	2	Em	Theory	conjugate points, conjugate plane	lecture method	2	Black Board	Q/A method	
			Impes	3	Em	Theory	integral calculus	lecture method	3	Black Board	Q/A method	
			Impes	4	Em	Theory	Angle of intersection of two spheres	lecture method	4	Black Board	Q/A method	
			Impes	5	Em	Theory	Mid-I Exam Conducted	lecture method	5	Black Board	Q/A method	
	18/6/23		Impes	2	Em	Theory	conditions for two spheres to be orthogonal	lecture method	2	Black Board	Q/A method	
			Impes	3	Em	Theory	Integral as the limit of sum	lecture method	3	Black Board	Q/A method	
			Impes	4	Em	Theory	Mid-II Exam Conducted	lecture method	4	Black Board	Q/A method	
	19/6/23	Mon	Impes	2	Em	Theory	Radical plane Co axial system	lecture method	2	Black Board	Q/A method	
			Impes	3	Em	Theory	mean value theorem	lecture method	3	Black Board	Q/A method	
			Impes	5	Em	Theory	Linear algebra - IV	lecture method	4	Black Board	Q/A method	
	20/6/23	Tue	Impes	2	Em	Theory	Simplified form of Equation of hyperbola	lecture method	2	Black Board	Q/A method	
			Impes	3	Em	Theory	vector space sum's given	lecture method	3	Black Board	Q/A method	
			Impes	4	Em	Theory	vector space matrices given	lecture method	4	Black Board	Q/A method	
	21/6/23	Wed	Impes	2	Em	Theory	Definition of a cone	lecture method	2	Black Board	Q/A method	
			Impes	3	Em	Theory	vector, guiding curve	lecture method	3	Black Board	Q/A method	
			Impes	4	Em	Theory	vector space sum's	lecture method	4	Black Board	Q/A method	

M. D. Lekya
Signature of the Lecturer

M. D. Lekya
Signature of the Department In-Charge

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SEETHANARAYAN
E.G.D.I. (A.P.)

TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject : Mathematics.

Name of the Lecturer : M. Alekya

Month & Year : June

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
	22/6/23	Thurs	Impcs	1	Em	Theory	generators	lecture method	5	Black Board	@/A method	
			Impcs	2	Em	Theory	Equation of the Cone with given	lecture method	9	Black Board	@/A method	
			Impcs	3	Em	Theory	Enveloping Cone of a sphere	lecture method	9	Black Board	@/A method	
	23/6/23	Fri	Impcs	1	Em	Theory	Equation of the cone with given	lecture method	5	Black Board	@/A method	
			Impcs	2	Em	Theory	vertex & guiding cone	lecture method	9	Black Board	@/A method	
			Impcs	3	Em	Theory		lecture method	9	Black Board	@/A method	
	24/6/23	Sat	Impcs	1	Em	Theory	Enveloping cone of a sphere.	lecture method	5	Black Board	@/A method	
			Impcs	2	Em	Theory	Equations of cones with vertex	lecture method	9	Black Board	@/A method	
			Impcs	3	Em	Theory	origin are homogenous.	lecture method	9	Black Board	@/A method	
	25/6/23	Sun										
	26/6/23	Mon	Impcs	1	Em	Theory	Condition that the general surface	lecture method	5	Black Board	@/A method	
			Impcs	2	Em	Theory	condition that a cone may be mutually	lecture method	9	Black Board	@/A method	
			Impcs	3	Em	Theory	exam. conducted.	lecture method	8	Black Board	@/A method	
	27/6/23	Tue	Impcs	1	Em	Theory	target lines are tangent plane	lecture method	5	Black Board	@/A method	
			Impcs	2	Em	Theory	Inner product space	lecture method	9	Black Board	@/A method	
			Impcs	3	Em	Theory	quadratic cone	lecture method	5	Black Board	@/A method	
	28/6/23	Wed	Impcs	1	Em	Theory	condition that a plane is	lecture method	5	Black Board	@/A method	
			Impcs	2	Em	Theory	Euclidean unitary	lecture method	9	Black Board	@/A method	
			Impcs	3	Em	Theory	Reciprocal Cones.	lecture method	5	Black Board	@/A method	

M. Alekya
Signature of the Lecturer

M. Alekya
Signature of the Department In-Charge

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SEETHANAGARAM-533 237
E.G.D. (A.P.)

TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject : Mathematics

Name of the Lecturer : M. Alakya

Month & Year : June

S. No.	Date	Day	Class	Period / Time	Medium	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
	29/6/23	Thurs				Baker's Id.	Holiday					
	30/6/23	Fri	Impes	2	Em	theory	Intersection of two cones	Lecture method	5	BlackBoard	Q/A method	
			Impes	3	Em	theory	Num. or length of axis of c.	Lecture method	9	BlackBoard	Q/A method	
	1/7/23	Sat	Impes	2	Em	theory	Right circular cone	Lecture method	5	BlackBoard	Q/A method	
			Impes	3	Em	theory	Schwarz inequality	Lecture method	9	BlackBoard	Q/A method	
	2/7/23	Sun	Impes	2	Em	theory	Equation of the right circular cone	Lecture method	5	BlackBoard	Q/A method	
			Impes	3	Em	theory	Triangle inequality	Lecture method	9	BlackBoard	Q/A method	
	3/7/23	Mon	Impes	2	Em	theory	semi vertical angle	Lecture method	5	BlackBoard	Q/A method	
			Impes	3	Em	theory	Parallelogram law	Lecture method	9	BlackBoard	Q/A method	
			Impes	4	Em	theory	practice sums given.	Lecture method	9	BlackBoard	Q/A method	
	4/7/23	Tue	Impes	2	Em	theory	definition of cylinder	Lecture method	5	BlackBoard	Q/A method	
			Impes	3	Em	theory	orthogonality	Lecture method	9	BlackBoard	Q/A method	
	5/7/23	Wed	Impes	2	Em	theory	cylinder whose generators	Lecture method	5	BlackBoard	Q/A method	
			Impes	3	Em	theory	orthogonality sets	Lecture method	9	BlackBoard	Q/A method	
				4	Em	theory	Complete orthogonal sets	Lecture method	9	BlackBoard	Q/A method	
	7/7/23	Thurs	Impes	2	Em	theory	Gram Schmidt orthogonalization	Lecture method	9	BlackBoard	Q/A method	
				3								

M. Alakya
Signature of the Lecturer

M. Alakya
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