

# Rajarshi Shahu Mahavidyalaya, Latur Shiv Chhatrapati Shikshan Sanstha's (Autonomous)

# **Department of Mathematics**

Name of the Teacher: Lt.(Dr.) Mahesh S Wavare/Miss. Aakanksha S Mitkari



3. Details of Classes to be taught

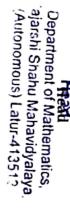
45	02	101MAT1501	Introduction to Mathematics Software	VSC-I	I	B.ScI	-
Total Teaching Hours	Credit	Course Code	Course type Course Title Course Code	Course type	Semester	Class	Sr.

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١		Summary of Ecoson & for				.	
S	Sr.	Unit and Chapter to	Date	Date	No. of	No. of Academic	No. of Test /
Z	No.	covered	from	To	Lecturer	Lecturer activities to be	Assignment
					S	organized	
-		Unit I:Introduction to	09-07-2025	20-08-2025	11	Programming in	
		MATLAB(ASM)				MATLAB	
2		Unit II: Programming in	27-08-2025	08-10-2025	11	Practical's on Unit	
		MATLAB(ASM)				II and CAT-I	
ω		Unit III: Matrix as	10-07-2025	14-08-2025	12	Practical's on Unit	
		Array(MSW)			,	III and CAT-II	
4	_	Unit IV: Linear Algebra	21-08-2025	02-10-2025	11	Practical's on Unit	
		and MATLAB(MSW)				IV and CAT-III	
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# Shiv Chhatrapati Shikshan Sanstha's Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

# Department of Mathematics Academic Year 2025-26 (Odd Semester)



# Name of the Teacher: Miss Aakanksha S Mitkari 1. Details of Classes to be taught

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SI	Sr. Unit and Chapter to	Date	Date	No. of	Academic activities	activities No. of Test /
No.		from	То	Lecture	Lecture to be organized	Assignment
				rs		
רו	Unit I:Sequences	23-06-2025	14-07-2025	10	PYQ of IIT JAM	02
2	Unit II: Sequences of	15-07-2025 06-08-2025	06-08-2025	12	CAT 1	02
	functions					
ω	Unit III: Infinite Series	19-08-2025 16-09-2025	16-09-2025	13	CAT 2	02
4	Unit IV: Infinite Series	22-09-2025	13-10-2025	10	PYQ of IIT JAM	02
	with positive and					
	negative terms					

Course Teacher



Department of Mathematics, ajarshi Shahu Mahavidyalaya, 'Autonomous) Latur-41351





# Rajarshi Shahu Mahavidyalaya,Latur Shiv Chhatrapati Shikshan Sanstha's (Autonomous)

Academic Year 2025-26 (Odd Semester) **Department of Mathematics** 



Name of the Teacher: Miss. Aakanksha S Mitkari

# 9. Details of Classes to be taught

	7 10
-	Sr.
B.ScII	Class
Ш	Semester
DSC – V (Lab)	Course type
Lab on Real Analysis	Course Title
201MAT3103	Course Code
1	Credit
30	Total Teaching Hours

10.Summary of Lesson Plan

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S	Sr.	Unit and Chapter to	Date	Date	No. of	Academic	No. of Test /
z	No.	covered	from	То	Lecturers	activities to be	Assignment
						organized	
1		Practical's on Unit I	27-06-2025	19-07-2025	70	Home	02
						Assignments	
2		Practical's on Unit II	25-07-2025	22-08-2025	80	IIT-JAM PYQs	02
ω		Practical's on Unit III	23-08-2025	20-09-2025	80	Home	02
						Assignments	
4		Practical's on Unit IV	26-09-2025	11-10-2025	07	IIT-JAM PYQs	02
_							

Course Teacher

Department of Mathematics, yarshi Shahu Mahavidyalaya, intonomous) Latur-413512







# Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

# Department of Mathematics Academic Year 2025-26 (Odd Semester)



# Name of the Teacher: Miss. Aakanksha S Mitkari

# Details of Classes to be taught

					lan	3. Summary of Lesson Plan	Sumi	ω
45	ω	301MAT5102	Linear Algebra 301MAT5:	DSC-X	V	B.ScIII	1	
Total Teaching Hours	Credit	Course Code	Course Title	Course type (	Semester	Class	Sr.	

# . Summary of Lesson Plan

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1	)				OHICLE LOCKSON	•
02	IIT-IAM PYOS	11	23-09-2025   13-10-2025	23-09-2025	Unit IV: Inner Product	4
					Transformations	
02	Home Assignments	14	19-08-2025   22-09-2025	19-08-2025	Unit III: Linear	သ
					Spaces	
02	IIT-JAM PYQs	10	15-07-2025   11-08-2025	15-07-2025	Unit II: Lines and Quotient	2
02	Home Assignments	10	23-06-2025   14-07-2025	23-06-2025	Unit I: Vector Spaces	1
	organized					•
Assignment	activities to be	Lecturers	То	from	covered	No
No. of Test /	Academic	No. of	Date	Date	Unit and Chapter to	SF.
					_	,

Department of Mathematics, ajarshi Shahu Mahavidyalaya, (Autonomous) Latur-413515

**Course Teacher** 



# Shiv Chhatrapati Shikshan Sanstha's Rajarshi Shahu Mahavidyalaya,Latur (Autonomous)

Department of Mathematics Academic Year 2025-26 (Odd Semester)



# Name of the Teacher: Miss. Aakanksha S Mitkari

# 1. Details of Classes to be taught

2 Summ	1	
Summary of Lesson Plan	B.ScIII	
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	(Lab)	Dec v
	Algebra	I ah an I inaar
	301MAT5104	
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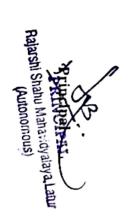
# 2. Summary of Lesson Plan

0.7	IIT-IAM DVOs	0.7	08-10-2025	72_00_2075	D .: W . II with III	T
	Assignments					
02	Home	80	16-09-2025	19-08-2025	Practical's on Unit III	ω
02	IIT-JAM PYQs	80	06-08-2025	16-07-2025	Practical's on Unit II	2
	Assignments					
02	Home	07	15-07-2025	24-06-2025 15-07-2025	Practical's on Unit I	1
	organized					
Assignment	activities to be	Lecturers	To	from	covered	No.
No. of Test /	Academic	No. of	Date	Date	Unit and Chapter to	Sr.





Department of Mathematics, Rajarshi Shahu Mahavidyalaya, (Autonomous) Latur-413512





# Shiv Chhatrapati Shikshan Sanstha's Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

**Department of Mathematics** Academic Year 2025-26 (Odd Semester)

Name of the Teacher: Miss. Aakanksha S Mitkari

### 5. Details of Classes to be taught

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	M.ScI	· I	Major-3	Complex Analysis	601MAT1103	04	60

### 6. Summary of Lesson Plan

Sr. No.	Unit and Chapter to covered	Date from	Date To	No. of Lecturers	Academic activities to be organized	No. of Test / Assignment
1	Unit I: Complex Field and Mapping	18-07-2025	13-08-2025	15	NET/SET GATE PYQs	02
2	Unit II: Analyticity and Power series	14-08-2025	06-09-2025	15	CAT-I	02
3	Unit III: Line Integrals	10-09-2025	24-09-2025	12	CAT-II	02
4	Unit IV: Direct Product and Sylow theorems	25-09-2025	14-10-2025	18	CAT-III	03

**Course Teacher** 

Department of Mathematics, njarshi Shahu Mahavidyalaya, Latur-413512

Rajarshi Shahu Mahasidyalaya Latur (Autonomous)



# Shiv Chhatrapati Shikshan Sanstha's Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

Department of Mathematics <u>Academic Year 2025-26</u> (Odd Semester)



Name of the Teacher: Miss. Aakanksha S Mitkari

## 7. Details of Classes to be taught

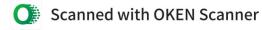
- 1	г. о.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
	1	M.ScII	III .	MEC-III(A)	Coding Theory	602MAT3201	04	60

### 8. Summary of Lesson Plan

Sr. No.	Unit and Chapter to covered	Date from	Date To	No. of Lecturers	Academic activities to be organized	No. of Test / Assignment
1	Unit I: Introduction to error detection, Correction and decoding and Finite Fields	23-06-2025	28-07-2025	20	NET/SET GATE PYQs	02
2	Unit II: Linear Codes	29-07-2025	06-09-2025	15	CAT-I	02
3	Unit III: Bounds in Coding Theory	08-09-2025	30-09-2025	15	CAT-II	02
4	Unit IV: Constructions of Linear Codes	03-10-2025	14-10-2025	10	CAT-III	03

**Course Teacher** 

Head epartment Head ajarshi Shahu Mahavidyalaya, (Autonomous) Latur-413512 Principal
PRINCIPAL
PRINCIPAL
Rajarshi Shahu Maha; idyalaya, Latur
(Autonomous)





# Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

# **Department of Mathematics Academic Year 2025-26** (Even Semester)

Name of the Teacher: Miss Aakanksha S. Mitkari

## 1. Details of Classes to be taught

Sr No	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	B.ScI	II	DSC-II	Analytical Geometry	101MAT2101	3	45

# 2. Summary of Lesson Plan

Sr.	Unit and Chapter to	Date	Date	No. of	Academic activities	No. of Test /
No.	covered	from	To	Lecture	to be organized	Assignment
				rs		
1	Unit I:Analytical	01-12-2025	23-12-2025	11	PYQ of IIT JAM	02
	Geometry of Two					
	Dimensions					
2	Unit II: The Plane	24-12-2025	20-01-2026	11	CAT 1	02
3	Unit III: The Right Line	21-01-2026	25-02-2026	11	CAT 2	02
4	Unit IV: Sphere, Cones and Cylinder	02-03-2026	30-03-2026	12	PYQ of IIT JAM	02



# Rajarshi Shahu Mahavidyalaya,Latur (Autonomous)

# **Department of Mathematics Academic Year 2025-26** (Even Semester)

Name of the Teacher: Miss. Aakanksha S Mitkari

## 1. Details of Classes to be taught

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	B.ScI	II	DSC – III ( Lab)	Lab Course-III	101MAT2103	1	30

## 2. Summary of Lesson Plan

Sr.	Unit and Chapter to	Date	Date	No. of	Academic	No. of Test /
No.	covered	from	To	Lecturers	activities to be	Assignment
					organized	
1	Practical's on Unit I	01-12-2025	30-12-2025	07	Home	02
					Assignments	
2	Practical's on Unit II	05-01-2026	10-02-2026	08	IIT-JAM PYQs	02
3	Practical's on Unit III	16-02-2026	10-03-2026	08	Home	02
					Assignments	
4	Practical's on Unit IV	16-03-2026	31-03-2026	07	IIT-JAM PYQs	02



# Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

# **Department of Mathematics Academic Year 2025-26** (Even Semester)

Name of the Teacher: Miss. Aakanksha S. Mitkari

# 3. Details of Classes to be taught

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	B.ScII	IV	DSC-VII	Ordinary Differential Equation	201MAT4101	02	45

## 4. Summary of Lesson Plan

Sr.	Unit and Chapter to	Date	Date	No. of	Academic	No. of Test /
No.	covered	from	To	Lecturer	activities to be	Assignment
				S	organized	
1	Unit I:Definitions and	01-12-2025	23-12-2025	11	Programming in	02
	Formation of Differential				MATLAB	
	Equation					
2	Unit II: Equations of the	24-12-2025	20-01-2026	11	Practical's on Unit	02
	First order and of the				II and CAT-I	
	First Degree					
3	Unit III: Linear	21-01-2026	25-02-2026	12	Practical's on Unit	02
	Differential equations				III and CAT-II	
	with constant coefficient					
4	Unit IV: Linear	02-03-2026	30-03-2026	11	Practical's on Unit	03
	Differential equations				IV and CAT-III	
	with variable coefficients					



# Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

# **Department of Mathematics**<u>Academic Year 2025-26</u> (Even Semester)

Name of the Teacher: Miss. Aakanksha S Mitkari

**Details of Classes to be taught** 

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	B.ScII	IV	DSC-VII	Lab Course-VII	201MAT4103	1	30

## 3. Summary of Lesson Plan

Sr.	Unit and Chapter to	Date	Date	No. of	Academic	No. of Test /
No	covered	from	To	Lecturers	activities to be	Assignment
					organized	
1	Practical's on Unit I	05-12-2025	27-12-2025	07	Home Assignments	02
2	Practical's on Unit II	02-01-2026	24-01-2026	08	IIT-JAM PYQs	02
3	Practical's on Unit III	30-01-2026	28-02-2026	08	Home Assignments	02
4	Practical's on Unit IV	06-03-2026	28-03-2026	07	IIT-JAM PYQs	02



# Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

# **Department of Mathematics** <u>Academic Year 2025-26</u> (EvenSemester)

Name of the Teacher: Miss. Aakanksha S Mitkari

## 5. Details of Classes to be taught

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
		_		Partial		04	60
1	M.ScI	I	MEC-II	Differential	602MAT2201		
				Equation			

## 6. Summary of Lesson Plan

Sr.	Unit and Chapter to	Date	Date	No. of	Academic	No. of Test /
No.	covered	from	To	Lecturers	activities to be	Assignment
					organized	
1	Unit I: Introduction to	01-12-2025	24-12-2025	15	NET/SET GATE	02
	PDE				PYQs	
2	Unit II : Second order PDE	25-12-2025	21-01-2026	15	CAT-I	02
3	Unit III: Some special	22-01-2026	26-02-2026	15	CAT-II	02
	problems in PDE					
4	Unit IV: Families of	02-03-2026	31-03-2026	15	CAT-III	03
	surfaces and inversion					
	theorem					



# Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

# **Department of Mathematics** <u>Academic Year 2025-26</u> (Even Semester)

Name of the Teacher: Miss. Aakanksha S Mitkari

### 7. Details of Classes to be taught

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	M.ScII	III	Major-X	Field Theory	602MAT4101	04	60

## 8. Summary of Lesson Plan

Sr.	Unit and Chapter to	Date	Date	No. of	Academic	No. of Test /
No.	covered	from	To	Lecturers	activities to be	Assignment
					organized	
1	Unit I: Introduction	03-12-2025	27-12-2025	15	NET/SET GATE	02
					PYQs	
2	Unit II: Fields Extension	31-12-2025	24-01-2026	15	CAT-I	02
3	Unit III: Normal and	28-01-2026	28-02-2026	15	CAT-II	02
	Separable Extension					
4	Unit IV: The Galois Group	04-03-2026	28-03-2026	15	CAT-III	03



# Rajarshi Shahu Mahavidyalaya,Latur (Autonomous)

# Department of Mathematics <u>Academic Year 2025-26</u> (Even Semester)

Name of the Teacher: Miss. Aakanksha S Mitkari

## 9. Details of Classes to be taught

Sr No	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	B.ScIII	VI	VSC -IV (Theory)	Python Programming	301MAT6501	01	15

## 10.Summary of Lesson Plan

Sr.	Unit and Chapter to	Date	Date	No. of	Academic	No. of Test /
No.	covered	from	To	Lecturers	activities to be	Assignment
					organized	
1	Unit I:Introduction to	05-12-2025	13-12-2025	04	Home	02
	Python				Assignments	
2	Unit II: Control Structure	20-12-2025	03-01-2026	04	IIT-JAM PYQs	02
	and Functions					
3	Unit III: Data Structure	09-01-2026	17-01-2026	04	Home	02
	and File Handling				Assignments	
4	II III	22.04.2026	24 04 2026	0.4	HE LAM DVO	0.2
4	Unit IV: Introduction to	23-01-2026	31-01-2026	04	IIT-JAM PYQs	02
	Libraries					



# Rajarshi Shahu Mahavidyalaya,Latur (Autonomous)

# **Department of Mathematics**<u>Academic Year 2025-26</u> (Even Semester)

Name of the Teacher: Miss. Aakanksha S Mitkari

## 11. Details of Classes to be taught

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	B.ScIII	VI	VSC –IV (Lab)	Python Programming	301MAT6501	01	30

# 12. Summary of Lesson Plan

Sr.	Unit and Chapter to	Date	Date	No. of	Academic	No. of Test /
No.	covered	from	To	Lecturers	activities to be	Assignment
					organized	
1	Unit I:Introduction to	05-12-2025	26-12-2025	06	Home	02
	Python				Assignments	
2	Unit II: Control Structure	27-12-2025	23-01-2026	08	IIT-JAM PYQs	02
	and Functions					
3	Unit III: Data Structure	24-01-2026	27-02-2026	08	Home	02
	and File Handling				Assignments	
4	Unit IV: Introduction to	28-02-2026	27-03-2026	08	IIT-JAM PYQs	02
	Libraries					