Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)
Department of Mathematics
Academic Year 2025-26 (Odd Semester)

Name of the Teacher: Lt.(Dr.) Mahesh S Waware/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.Sc.-1	1	VSC-1	Introduction to Mathematics Software	101MAT1501	02	45

4. 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 MATLAB(ASM)	09-07-2025	20-08-2025	11	Programming in MATLAB	02
2	Unit II: Programming in MATLAB(ASM)	27-08-2025	08-10-2025	11	Practical's on Unit II and CAT-I	02
3	Unit III: Matrix as Array(MSW)	10-07-2025	14-08-2025	12	Practical's on Unit III and CAT-II	02
4	Unit IV: Linear Algebra and MATLAB(MSW)	21-08-2025	02-10-2025	11	Practical's on Unit IV and CAT-III	03

Course Teacher

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

Principal
PRINCIPAL
Rajarshi Shahu Maha idyalaya Latur
(Autonomous)

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

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	B.Sc-II	III	DSC-V	Real Analysis	201MAT3101	3	45

2. Summary of Lesson Plan

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

Course Teacher

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

Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya,Latur
(Autonomous)

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.Sc.-II	III	DSC – V (Lab)	Lab on Real Analysis	201MAT3103	1	30

10.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	Practical's on Unit I	27-06-2025	19-07-2025	07	Home Assignments	02
2	Practical's on Unit II	25-07-2025	22-08-2025	08	IIT-JAM PYQs	02
3	Practical's on Unit III	23-08-2025	20-09-2025	08	Home Assignments	02
4	Practical's on Unit IV	26-09-2025	11-10-2025	07	IIT-JAM PYQs	02

Course Teacher

Department of Mathematics,
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(Autonomous) Latur-413512

Principal
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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

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	B.Sc.-III	V	DSC-X	Linear Algebra	301MAT5102	3	45

3. 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: Vector Spaces	23-06-2025	14-07-2025	10	Home Assignments	02
2	Unit II: Lines and Quotient Spaces	15-07-2025	11-08-2025	10	IIT-JAM PYQs	02
3	Unit III: Linear Transformations	19-08-2025	22-09-2025	14	Home Assignments	02
4	Unit IV: Inner Product Spaces	23-09-2025	13-10-2025	11	IIT-JAM PYQs	02

Course Teacher

Head
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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

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	B.Sc.-III	V	DSC – X (Lab)	Lab on Linear Algebra	301MATS104	1	30

2. 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	Practical's on Unit I	24-06-2025	15-07-2025	07	Home Assignments	02
2	Practical's on Unit II	16-07-2025	06-08-2025	08	IIT-JAM PYQs	02
3	Practical's on Unit III	19-08-2025	16-09-2025	08	Home Assignments	02
4	Practical's on Unit IV	23-09-2025	08-10-2025	07	IIT-JAM PYQs	02

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

5. **Details of Classes to be taught**

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	M.Sc.-I	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

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

7. **Details of Classes to be taught**

Sr. No.	Class	Semester	Course type	Course Title	Course Code	Credit	Total Teaching Hours
1	M.Sc.-II	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
Department of Mathematics,
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(Autonomous) Latur-413512

Principal
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Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Shiv Chhatrapati Shikshan Sanstha's
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.Sc.-I	II	DSC-II	Analytical Geometry	101MAT2101	3	45

2. 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:Analytical Geometry of Two Dimensions	01-12-2025	23-12-2025	11	PYQ of IIT JAM	02
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

Course Teacher   **Head**   **Principal**

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.Sc.-I	II	DSC – III (Lab)	Lab Course-III	101MAT2103	1	30

2. **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	Practical's on Unit I	01-12-2025	30-12-2025	07	Home Assignments	02
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 Assignments	02
4	Practical's on Unit IV	16-03-2026	31-03-2026	07	IIT-JAM PYQs	02

Course Teacher   **Head**   **Principal**

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.Sc.-II	IV	DSC-VII	Ordinary Differential Equation	201MAT4101	02	45

4. **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:Definitions and Formation of Differential Equation	01-12-2025	23-12-2025	11	Programming in MATLAB	02
2	Unit II: Equations of the First order and of the First Degree	24-12-2025	20-01-2026	11	Practical's on Unit II and CAT-I	02
3	Unit III: Linear Differential equations with constant coefficient	21-01-2026	25-02-2026	12	Practical's on Unit III and CAT-II	02
4	Unit IV: Linear Differential equations with variable coefficients	02-03-2026	30-03-2026	11	Practical's on Unit IV and CAT-III	03

Course Teacher   **Head**   **Principal**

Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)
Department of Mathematics
Academic Year 2025-26 (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.Sc.-II	IV	DSC-VII	Lab Course-VII	201MAT4103	1	30

3. **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	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

Course Teacher   **Head**   **Principal**

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.Sc.-I	I	MEC-II	Partial Differential Equation	602MAT2201	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: Introduction to PDE	01-12-2025	24-12-2025	15	NET/SET GATE PYQs	02
2	Unit II : Second order PDE	25-12-2025	21-01-2026	15	CAT-I	02
3	Unit III: Some special problems in PDE	22-01-2026	26-02-2026	15	CAT-II	02
4	Unit IV: Families of surfaces and inversion theorem	02-03-2026	31-03-2026	15	CAT-III	03

Course Teacher   **Head**   **Principal**

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.Sc.-II	III	Major-X	Field Theory	602MAT4101	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	03-12-2025	27-12-2025	15	NET/SET GATE PYQs	02
2	Unit II: Fields Extension	31-12-2025	24-01-2026	15	CAT-I	02
3	Unit III: Normal and Separable Extension	28-01-2026	28-02-2026	15	CAT-II	02
4	Unit IV: The Galois Group	04-03-2026	28-03-2026	15	CAT-III	03

Course Teacher   **Head**   **Principal**

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.Sc.-III	VI	VSC –IV (Theory)	Python Programming	301MAT6501	01	15

10. **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 Python	05-12-2025	13-12-2025	04	Home Assignments	02
2	Unit II: Control Structure and Functions	20-12-2025	03-01-2026	04	IIT-JAM PYQs	02
3	Unit III: Data Structure and File Handling	09-01-2026	17-01-2026	04	Home Assignments	02
4	Unit IV: Introduction to Libraries	23-01-2026	31-01-2026	04	IIT-JAM PYQs	02

Course Teacher   **Head**   **Principal**

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.Sc.-III	VI	VSC –IV (Lab)	Python Programming	301MAT6501	01	30

12. 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 Python	05-12-2025	26-12-2025	06	Home Assignments	02
2	Unit II: Control Structure and Functions	27-12-2025	23-01-2026	08	IIT-JAM PYQs	02
3	Unit III: Data Structure and File Handling	24-01-2026	27-02-2026	08	Home Assignments	02
4	Unit IV: Introduction to Libraries	28-02-2026	27-03-2026	08	IIT-JAM PYQs	02

Course Teacher   **Head**   **Principal**