

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Teaching Plan (Semester-V)

(Aug 2022 to Oct 2022)

1. Details of Classes to be taught


Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. II Sem. III	Mr. S. S. Undalkar	Physics	U-ADC-334-A Applied Optics (SEC)	30 (2-credits)


2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Unit I: Lasers	08	03/08/22 to 28/09/22	Introduction of LASER Laboratory	--
2	Unit II: Fiber Optics	07	29/09/22 to 15/10/22	--	

Mr. S. S. Undalkar

Date:14.07.2022

  
**HEAD**  
Department of Physics & Electronics  
Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)

  
**PRINCIPAL**  
Rajarshi Shahu Mahavidyalaya  
(Autonomous), Latur



# Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

## Teaching Plan (Semester-V)

(June 2022 to November 2022)

### 1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. III Sem. V	Mr. S. S. Undalkar	Physics	U-PHY-542 Solid State Physics- X	45 (2-credits)

### 2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Unit I: Crystal Structure	12	23/06/22 to 16/07/22	IIT-JAM Questions Solving	--
2	Unit II: Free Electron Theory of Metals	10	21/07/22 to 11/08/22	IIT-JAM Questions Solving	--
3	Unit III: Band Theory of Metals	12	12/08/22 to 08/09/22	--	Unit Test-I Assignment (01.08.2022 to 07.08.2022)
4	Unit IV: Application of Band Theory	11	09/09/22 to 01/10/22	--	Unit Test-II Activity based (16.08.2022 to 27.08.2022)

Mr. S. S. Undalkar

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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Teaching Plan (Semester-I)

(July 2022 to Nov 2022)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lecturers:
1	MSc. I Sem. I	Mr. S. S. Undalkar	Physics	P-CSM-120 Classical Mechanics	60 (4-credits)

2. Summary of Lesson Plan


Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Unit I: Variational Principle and Hamiltonian Formulation	15	25/07/22 to 17/08/22	--	--
2	Unit II: Central Force Problem	15	18/08/22 to 14/09/22	--	Unit Test-I Assignment (01.08.2022 to 07.08.2022)
3	Unit III: Canonical Transformations and Hamilton - Jacobi Theory	15	15/09/22 to 10/10/22	--	Unit Test-II Activity based (16.08.2022 to 27.08.2022)
4	Unit IV: Small oscillations & Special theory of Relativity	15	11/10/22 to 21/11/22	ICT Based Teaching	--



Mr. S. S. Undalkar  
Date:14.07.2021

  
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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Teaching Plan (Semester-III)

(June 2022 to November 2022)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers
1	M. Sc. (Sem. III)	Mr. S. S. Undalkar	Physics	P-LET-323 Laser Technology	60 (4-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Unit I: Basics of Laser	15	24/06/22 to 16/07/22	Introduction of LASER Laboratory	--
2	Unit II: Properties of Laser and Optical Resonator	15	16/07/22 to 12/08/22	--	
3	Unit III: Laser Cavity Modes	15	13/08/22 to 09/09/22	--	Unit Test-I Assignment (01.08.2022 to 07.08.2022)
4	Unit IV: Types of Laser	15	10/09/22 to 07/10/22	--	Unit Test-II Activity based (16.08.2022 to 27.08.2022)

Mr. S. S. Undalkar  
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