

**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**  
**Teaching Plan (Semester-I)**  
**(September 2021 to December 2021)**

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


Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. I Sem. I	Mr. M. B. Kumbhar	Physics	U-PHY-135 Mechanics and Properties of Matter-I	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: Gravitation	11	29/09/21 to 13/10/21	ICT teaching Microsoft Teams	--
2	Unit II: Elasticity	11	18/10/21 to 09/11/21	ICT teaching Microsoft Teams	
3	Unit III: Surface Tension	12	10/11/21 to 06/12/21	ICT teaching Microsoft Teams	Unit Test-I Assignment (Date will be communicated later)
4	Units IV: Viscosity	11	07/12/21 to 29/12/21	ICT teaching Microsoft Teams	Unit Test-II Activity based (Date will be communicated later)

  
**Mr. M. B. Kumbhar**

Date: 27.09.2021

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

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

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

**Teaching Plan (Semester-III)**

**1. (July 2021 to November 2021)**

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


Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers
1	MSc. II Sem. III	Mr. M. B. Kumbhar	Physics	P-TFN-324A Thin film and Nanotechnology	60 (4-credits)

**3. 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: Thin Film Deposition Techniques	15	05/07/21 to 01/08/21	ICT teaching Microsoft Teams	--
2	Unit II: Nucleation, Film Growth and Structure of Films	15	02/08/21 to 29/08/21	ICT teaching Microsoft Teams	
3	Unit III: Properties of Thin Films	15	30/08/21 to 28/09/21	ICT teaching Microsoft Teams	Unit Test-I Assignment (Date will be communicated later)
4	Unit IV: Nanotechnology	15	29/09/21 to 27/10/21	ICT teaching Microsoft Teams	Unit Test-II Activity based Test (Date will be communicated later)

  
**Mr. M. B. Kumbhar**

Date:06.07.2021

  
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**PRINCIPAL**  
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(Autonomous), Latur



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

**Teaching Plan (Semester-III)**

**(July 2021 to November 2021)**

**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. M. B. Kumbhar	Physics	U-PHY-335 Optics and Laser-V	45 (2-credits)

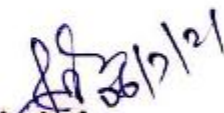
**2. Summary of Lesson Plan**

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: Interference	11	05/07/21 to 02/08/21	ICT teaching Microsoft Teams	--
2	Unit II: Diffraction	11	03/08/21 to 25/08/21	ICT teaching Microsoft Teams	
3	Unit III: Polarization	12	30/08/21 to 21/09/21	ICT teaching Microsoft Teams	Unit Test-I Assignment (Date will be communicated later)
4	Units IV: Lasers	11	31/09/21 to 18/10/21	ICT teaching Microsoft Teams	Unit Test-II Activity based (Date will be communicated later)

  
**Mr. M. B. Kumbhar**

Date:06.07.2021

  
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# Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

## Teaching Plan (Semester-I)

### 1. (September 2021 to December 2021)

#### 2. Details of Classes to be taught


Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers
1	MSc. I Sem. I	Mr. M. B. Kumbhar	Physics	P-QUM-121 Quantum Mechanics	60 (4-credits)

#### 3. 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: Introduction to Quantum Theory	15	29/09/21 to 20/10/21	ICT teaching Microsoft Teams	--
2	Unit II: Simple potential problems	15	21/10/21 to 18/11/21	ICT teaching Microsoft Teams	
3	Unit III: Theory of Angular Momentum	15	24/11/21 to 16/12/21	ICT teaching Microsoft Teams	Unit Test-I Assignment (Date will be communicated later)
4	Unit IV: Approximation Methods	15	17/12/21 to 31/12/21	ICT teaching Microsoft Teams	Unit Test-II Activity based Test (Date will be communicated later)

  
Mr. M. B. Kumbhar

Date: 29.09.2021

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

**Teaching Plan (Semester-VI)**

**(December 2021 to April 2022)**

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


Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. III Sem. VI	Mr. Maruti Baliram Kumbhar	Electronics	Communication Electronics-II-XIIA U-ELE-654A	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: Radio Receivers	12	20/12/21 to 12/01/22	--	--
2	Unit II: RADAR Systems	10	17/01/22 to 07/02/22	--	--
3	Unit III: Introduction to Optical Fibres	12	08/02/22 to 07/03/22	--	Unit Test-I (1 to 7 Feb, 2022)
4	Unit IV: Modern Communication Applications	11	08/03/22 to 13/04/22	ICT teaching	Unit Test-II (03 to 09 March, 2022)

  
**Mr. M. B. Kumbhar**

Date: 20.12.2021

  
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**Teaching Plan (Semester-IV)**

**1. (Dec 2021 to April 2022)**

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


Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers
1	MSc. II Sem. IV	Mr. M. B. Kumbhar	Physics (Photonics)	P-FOA-419 Fiber Optics and It's Applications	60 (4-credits)

**3. 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: Ray theory of transmission	15	17/12/21 to 12/01/22	--	--
2	Unit II: Fiber Fabrication Techniques	15	13/01/22 to 09/02/22	--	--
3	Unit III: Communication System	15	10/02/22 to 09/03/22	--	Unit Test-I (1 to 7 Feb, 2022)
4	Unit IV: Optical Fiber Communication	15	10/03/22 to 16/04/22	ICT teaching	Unit Test-II Activity based Test (03 to 09 March, 2022)

  
**Mr. M. B. Kumbhar**

Date: 20.12.2021

  
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