

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Teaching Plan (B.Sc. I Semester-I)

(Jul 2022 to Nov 2022)

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. A.K.Mungle	Physics	U-PHY-136 Heat And Thermodynamics-II	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: Transport Phenomena in Gases	11	11/07/2022 to 02/08/2022	Career Guidance	--
2	Unit II: Behavior of Real Gases	11	03/08/2022 to 06/09/2022	--	Activity based Unit Test-I
3	Unit III: Thermodynamics	12	07/09/2022 to 04/10/2022		
4	Unit IV: Thermodynamical Relations	11	10/10/2022 to 09/11/2022	ICT Based Teaching	19.10.2022 Unit Test-II(MCQ)

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Mr. A.K.Mungle
Date:14.07.2022

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

Principal
PRINCIPAL
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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Teaching Plan (B.Sc. III Semester-V)

(June 2022 to October 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. A.K.Mungle	Physics	U-PHY-541 Quantum Mechanics-IX	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: Origin Of Quantum Mechanics	12	20/06/22 to 13/07/22	Career Guidance	--
2	Unit II: Schrodinger's Wave Equation And Operators	10	18/07/22 to 08/08/22	IIT-JAM Questions Solving	Activity based Unit Test-I
3	Unit III: Applications Of Schrodinger's Steady State Equation	11	10/08/22 to 12/09/22	--	
4	Unit IV: Quantum Theory Hydrogen Atom	12	13/09/22 to 11/10/22	ICT Based Teaching	19.09.2022 Unit Test-II(MCQ)

A.K.Mungle

Mr. A.K.Mungle

Date:14.07.2022

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Teaching Plan (M.Sc. I Semester-I)

(Jul 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. I)	Mr. A.K.Mungle	Physics	P-QUM-121 Quantum Mechanics-III	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: Introduction to Quantum Theory	15	27/07/2022 to 19/08/2022	Career Guidance	--
2	Unit II: Simple Potential Problems	15	20/08/2022 to 16/09/2022	MH-SET Questions Solving	
3	Unit III: Theory of Angular Momentum	15	17/09/2022 to 13/10/2022	--	Unit Test-I Assignment (19.09.2022 to 30.09.2022)
4	Unit IV: Approximation Methods	15	14/10/22 to 30/11/22	ICT Based Teaching	Unit Test-II Activity based (16.10.2022 to 27.11.2022)

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Mr. A.K.Mungle
Date:14.07.2022

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Teaching Plan (B.Sc. I Semester-II)

(December 2022 to March 2023)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. I Sem. II	Mr. A.K.Mungle	Physics	U-PHY-236 Electricity And Magnetism-III	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: Electrostatics	11	10/12/2022 to 07/01/2023	Career Guidance	--
2	Unit II: Electromagnetic Induction	11	12/01/2023 to 09/02/2023	--	Activity based Unit Test-I
3	Unit III: Ballistic Galvanometer	11	10/02/2023 to 09/03/2023		
4	Unit IV: Magnetostatics	12	10/03/2023 to 31/03/2023	ICT Based Teaching	21.03.2023 Unit Test-II(MCQ)

Mr. A.K.Mungle
Date ; 09/12/2022

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Teaching Plan (B.Sc. III Semester-VI)

(December 2022 to March 2023)

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. A.K.Mungle	Physics	U-PHY-642 Fundamentals Of Digital Electronics-XII-A	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: Number System And Codes	10	12/12/2022 to 02/01/2023	Career Guidance	--
2	Unit II: Logic Gates	10	03/01/2023 to 24/01/2023	IIT-JAM Questions Solving	Activity based Unit Test-I
3	Unit III: Boolean Algebra	12	25/01/2023 to 22/02/2023	--	
4	Unit IV: Combinational And Sequential Logic Circuits	13	27/02/2023 to 29/03/2023	ICT Based Teaching	19.03.2023 Unit Test-II(MCQ)

Mr.A.K.Mungle

Date: 09/12/2022

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Teaching Plan (M.Sc. II Semester-IV)

(December 2022 to March 2023)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers
1	M. Sc. -II (Sem. IV)	Mr. A.K.Mungle	Physics	P-LSA-420 Lasers System and Its Applications	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: Industrial Applications Of Lasers	15	12/12/2022 to 04/01/2023	Career Guidance	--
2	Unit II: Lasers in Chemistry And Medicine	15	05/01/2023 to 01/02/2023	MH-SET Questions Solving	
3	Unit III: Holography And Its Applications	15	02/02/2023 to 02/03/2023	--	Unit Test-I Assignment (19/02/2023 to 28/02/2023)
4	Unit IV: Other Applications Of Lasers	15	06/03/2023 to 31/03/2023	ICT Based Teaching	Unit Test-II Activity based (15/03/2023 to 20/03/2023)

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Mr. A.K.Mungle
Date: 09/12/2022

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Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan (M.Sc. I Semester-II)
(Jan- 2023 to March- 2023)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	M. Sc. I Sem. II	Mr. A.K. Mungle	Physics	Modern Optics-VII (P-MOO-220)	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: Electromagnetic Theory	15	16/01/2023 to 03/02/2023	---	---
2	Unit II: Interference	15	04/02/2023 to 20/02/2023	PPT	Unit Test I : Activity Based Unit Test
3	Unit III: Coherence	15	22/02/2023 to 10/03/2023	---	---
4	Unit IV: Diffraction	15	11/03/2023 to 31/03/2023	Motivational Guidance	Unit Test II : As per College Schedule (MCQs)

A.K. Mungle
Mr. A.K. Mungle

Date: 16.01.2023

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