

# Rajarshi Shahu Mahavidyalaya, Latur

**(Autonomous)**

**Teaching Plan (Semester-III)**

**(June 2018 to Oct. 2018)**

## 1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	MSc. II Sem III	Dr Abhijit Yadav	Physics	P-EPP-321 Electrodynamics and Plasma Physics-IX	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 Waves	17	26.06.2018 to 21.07.2018	Showing YouTube videos on Maxwell's equation 20.07.2018	--
2	Unit II: Time Dependent Potentials and Fields	13	23.07.2018 to 13.08.2018	--	Activity based Unit Test-I 12.08.2018
3	Unit III: Radiations and Radiation Reactions	15	14.08.2018 to 06.09.2018	--	--
4	Unit IV: Plasma Physics	15	10.09.2018 to 06.10.2018	ICT based teaching	Unit Test II (MCQ) 08.10.2018

Date: 26.06.2018



Dr Abhijit Yadav



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# Rajarshi Shahu Mahavidyalaya, Latur

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**Teaching Plan (Semester-I)**

**(July 2018 to Oct. 2018)**

## 1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	MSc. I Sem. I	Dr Abhijit Yadav	Physics	P-QUM-120 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	10.07.2018 to 31.07.2018	Showing videos on basic quantum mechanical phenomena 26.07.2018	--
2	Unit II: Simple potential problems	15	01.08.2018 to 30.08.2018	--	Activity based Unit Test-I 10.08.2018
3	Unit III: Theory of Angular Momentum	15	31.08.2018 to 22.09.2018	Lecture on Nobel Prize in Physics 20.08.2018	--
4	Unit IV: Approximation Methods	15	25.09.2018 to 06.10.2018	--	Unit Test II (MCQ) 07.10.2018

Date: 10.07.2018



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**Teaching Plan (Semester-V)**

**(July 2018 to Oct. 2018)**

## 1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	BSc. III Sem. V	Dr Abhijit Yadav	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	05.07.2018 to 28.07.2018	Showing YouTube videos related to Photoelectric effect and quantum theory 25.07.2018	--
2	Unit II: Schrödinger's Wave Equation and Operators	10	02.08.2018 to 24.08.2018	--	Activity based Unit Test-I 16.08.2018
3	Unit III: Applications of Schrödinger's Steady-State Equation	11	25.08.2018 to 21.09.2018	Guest lecture in second week of September 2018	--
4	Unit IV: Quantum Theory of Hydrogen Atom	12	22.09.2018 to 03.10.2018	--	Unit Test II (MCQ) 08.10.2018

Date: 05.07.2018



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**Teaching Plan (Semester-I)**

**(July 2018 to Oct. 2018)**

## 1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Professor	Subject	Paper	Total Lecturers:
1	B.Sc. I Sem. I	Dr Abhijit Yadav	Electronics	U-ELE-145 Semiconductor Devices -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: Semiconductor Diode	12	01.08.2018 to 22.08.2018	Showing videos on basic quantum mechanical Phenomena 26.07.2018	--
2	Unit II: Special Diodes	08	27.08.2018 to 11.09.2018	--	Activity based Unit Test-I 13.08.2018
3	Unit III: Transistors	12	12.09.2018 to 22.09.2018	ICT based teaching	--
4	Unit IV: Field Effect Transistors	13	23.09.2018 to 03.10.2018	--	Unit Test II (MCQ) 04.10.2018 to 11.10.2018

Date: 01.08.2018



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**Teaching Plan (Semester-IV)**

**(Dec - 2018 to March. 2019)**

## 1. Details of Classes to be taught

Sr. No.	Class	Name of Asstt. Prof.	Subject	Paper	Total Lecturers:
1	MSc. II	Dr A A Yadav	Physics	P-IPE-422 Industrial Photonic Engineering-XVI	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: Photonics Technology	15	03.12.2018 to 26.12.2018	PPT Presentation on 24.12.2018	--
2	Unit II: Modulation and Demodulation	15	27.12.2018 to 22.01.2019	--	Activity based Unit Test-I 22.01.2019 to 28.01.2019
3	Unit III: Control and Management	15	23.01.2019 To 20.02.209	Showing Videos on testbeds on 16.02.2019	--
4	Unit IV: Access Network	15	21.02.2019 To 20.03.2019	--	Unit Test II (MCQ) 22.03.2019 to 30.03.2019

Date:03.12.2018



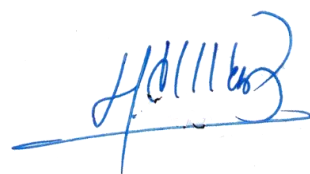
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**Teaching Plan (Semester-II)**

**(Dec - 2018 to March. 2019)**

## 1. Details of Classes to be taught

Sr. No.	Class	Name of Asstt. Prof.	Subject	Paper	Total Lecturers:
1	MSc. I	Dr A A Yadav	Physics	P-ECS-221 Electronics Communication Systems-VIII	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 & date
1	Unit I: Introduction to Communication Systems and Amplitude Modulation	20	30.11.2018 to 03.01.2019	Demo of Amplitude modulation experiment on 18.12.2018 and 20.12.2018	--
2	Unit II: AM Radio Receivers	10	04.01.2019 to 19.01.2019	--	Activity based Unit Test-I 22.01.2019 to 28.01.2019
3	Unit III: Frequency Modulation	15	23.01.2019 To 16.02.2019	Demo of Frequency modulation experiment on 12.02.2019 and 14.02.2019	--
4	Unit IV: Modern Communication Applications	15	21.02.2019 To 16.03.2019	--	Unit Test II (MCQ) 22.03.2019 to 30.03.2019

Date: 30.11.2018



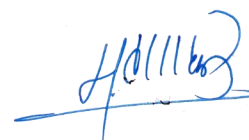
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