

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Teaching Plan (Semester-III)

(June 2022 to October 2022)

1. Details of Classes to be taught

Sr. No.	Class	Name of Teacher	Subject	Paper	Total Lecturers:
1	BSc. II Sem III	Dr Abhijit Yadav	Physics	U-PHY-335 Optics and Lasers-V	45 (3-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	20.06.2022 to 21.07.2022	Career Guidance	
2	Unit II: Diffraction	11	22.07.2022 to 13.08.2022	Guest Lecture	Activity based Unit Test-I
3	Unit III: Polarization	12	16.08.2022 to 15.09.2022		
4	Unit IV: Lasers	11	16.09.2022 to 13.10.2022	ICT based teaching	20.09.2022 Unit Test II (MCQ)

Date: 20.06.2022

Dr Abhijit Yadav
Teacher

HEAD

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

Principal

PRINCIPAL

Rajarshi Shahu Mahavidyalaya
(Autonomous), Latur

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Teaching Plan (Semester-III)

(June 2022 to October 2022)

1. Details of Classes to be taught

Sr. No.	Class	Name of Teacher	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	20.06.2022 to 19.07.2022		
2	Unit II: Time Dependent Potentials and Fields	13	20.07.2022 to 10.08.2022	Guest Lecture	Activity based Unit Test-I
3	Unit III: Radiations and Radiation Reactions	15	16.08.2022 to 07.09.2022	Career Guidance	
4	Unit IV: Plasma Physics	15	12.09.2022 to 10.10.2022	ICT based teaching	19.09.2022 Unit Test II (MCQ)

Date: 20.06.2022

Dr Abhijit Yadav
Teacher

HEAD

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

Principal

PRINCIPAL

Rajarshi Shahu Mahavidyalaya
(Autonomous), Latur

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Teaching Plan (Semester-II)

(Dec 2022 to March 2023)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lecturers:
1	B.Sc. I Sem. II	Dr Abhijit Yadav	Physics	U-PHY-237 Basic Electronics-IV	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: Electronic Components and Instruments	11	12.12.2022 to 03.01.2023	Guest Lecture	
2	Unit II: Semiconductor Devices	11	04.01.2023 to 31.01.2023	Poster presentation	Activity based Unit Test-I (22.01.2023)
3	Unit III: Transistors	12	01.02.2023 to 01.03.2023	Showing YouTube Videos	
4	Unit IV: Sinusoidal Oscillators	11	06.03.2023 to 29.03.2023		Unit Test II (MCQ) (06.03.2023 to 12.03.2023)

Date:08.12.2022

Dr Abhijit Yadav

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

PRINCIPAL

Rajarshi Shahu Mahavidyalaya
(Autonomous), Latur

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan (Even Semester)
(December 2022 to March 2023)

1. Details of Classes to be taught

Sr No.	Class	Name of Teacher	Subject	Paper	Total Lecturers
1	M.Sc. II Sem. IV	Dr Abhijit Yadav	Physics	P-IPE-422 Industrial Photonic Engineering-XVI	60 (4-credits)

2. Summary of Lesson Plan

Unit and Chapter to be covered	Expected Lectures	Duration	Teaching Strategies	Evaluation Strategies	Suggested Learning Resources
Unit I: Photonics Technology	15	12.12.2022 to 04.01.2023	Lecture cum Discussion and Demonstration		1. Optical Networks - A Practical Perspective - R Ramaswami and K N Sivarajan – Marcourt Asia (2000) Web Sources: 2. https://nptel.ac.in/courses/108/106/108106167/
Unit II: Modulation and Demodulation	15	05.01.2023 to 31.01.2023	Lecture cum Discussion	Unit Test I : Activity based Test	1. Optical Networks - A Practical Perspective - R Ramaswami and K N Sivarajan – Marcourt Asia (2000) 2. Photonic Switching Technology System and Networks- H T Mouftah, J M H Elmirghani –IEEE Press (1999) Web Sources: 3. https://nptel.ac.in/courses/108/106/108106167/ 4. https://nptel.ac.in/courses/117/101/117101002/
Unit III: Control and Management	15	01.02.2023 to 27.02.2023	Lecture cum Discussion (Use of ICT)	Students' will present their ideas through Power Point Presentation	1. Optical Networks - A Practical Perspective - R Ramaswami and K N Sivarajan – Marcourt Asia (2000)
Unit IV: Access Network	15	28.02.2023 to 28.03.2023	Lecture cum Discussion (Use of ICT)	Unit Test II (MCQ)	1. Optical Networks - A Practical Perspective - R Ramaswami and K N Sivarajan – Marcourt Asia (2000) Web Sources: https://www.youtube.com/watch?v=Y_9yBuJJQ3U

Date: 08.12.2022

Dr Abhijit Yadav

HEAD

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

PRINCIPAL

Rajarshi Shahu Mahavidyalaya
(Autonomous), Latur