


Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan FIRST TERM 20-21
(Sept 2020 to Jan 2021)


1. Details of Classes to be taught

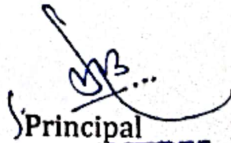
Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lecturers:
1	B.Sc. I (Sem-I)	Dr.D.V.Raje	Physics	U-PHY-136 Heat and Thermodynamics	40 (2-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date (Duration)		Academic activities to be organized	No. of Test / Assignment with topic and date
			From	To		
1	Unit I : Transport Phenomena in Gases	11	9/9/20	6/10/20	ICT Based Teaching	--
2	Unit II: Behavior Of Real Gases	11	7/10/20	4/11/20	ICT Based Teaching	---
3	Unit III : Thermodynamics	12	9/11/20	28/12/20	ICT Based Teaching	Activity based Unit Test-I (24/12/20)
4	Unit IV : Thermo-dynamical Relations	11	4/1/21	17/2/21	ICT Based Teaching	Unit Test II (MCQ) (19-02-2021)


Teacher
Dr.D.V.Raje
 Date:9.09.2020


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


Principal
PRINCIPAL
 Rajarshi Shahu Mahavidyalaya
 (Autonomous), Latur


Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan FIRST TERM 20-21
(July 2020 to Oct 2020)

1. Details of Classes to be taught


Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lecturers:
1	B.Sc. II (Sem-III)	Dr.D.V.Raje	Physics	U-PHY-336 Mathematical Physics and Transducers	40 (2-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date (Duration)		Academic activities to be organized	No. of Test / Assignment with topic and date
			From	To		
1	Unit I :Vector Analysis	12	13/7/20	10/8/20	ICT Based Teaching	--
2	Unit II:Complex Variables	10	12/8/20	14/9/20	ICT Based Teaching	---
3	Unit III :Fourier Series and Laplace Transform	13	14/9/20	13/10/20	ICT Based Teaching	Activity based Unit Test-I (17/09/20)
4	Unit IV :Transducers	10	19/10/20	11/11/20	ICT Based Teaching	Unit Test II (MCQ) (21.11.2021)


Teacher
Dr.D.V.Raje
Date:13.07.2020


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


Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya
(Autonomous), Latur


Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan FIRST TERM 20-21
(July 2020 to Nov. 2020)


1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lecturers:
1	B.Sc. III (Sem-V)	Dr.D.V.Raje	Physics	U-PHY-541 <i>Quantum Mechanics</i>	40 (2-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date (Duration)		Academic activities to be organized	No. of Test / Assignment with topic and date
			From	To		
1	Unit I : Origin Of Quantum Mechanics	12	13/7/20	5/8/20	ICT Based Teaching	--
2	Unit II: Schrödinger's Wave Equation and Operators	10	10/8/20	2/9/20	ICT Based Teaching	---
3	Unit III : Applications of Schrödinger's Steady state Equation	11	3/9/20	29/9/20	ICT Based Teaching	Activity based Unit Test-I (17/9/20)
4	Unit IV : Quantum Theory Of Hydrogen atom	12	30/9/20	11/11/20	ICT Based Teaching	Unit Test II (MCQ) (19.11.2021)


Teacher
Dr.D.V.Raje
 Date:13.07.2020


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


Principal
PRINCIPAL
 Rajarshi Shahu Mahavidyalaya
 (Autonomous), Latur


Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan FIRST TERM 20-21
(July 2020 to Oct 2020)

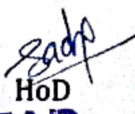
1. Details of Classes to be taught

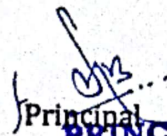
Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lecturers:
1	M.Sc.II (Sem-III)	Dr.D.V.Raje	Physics	P-NPP-322 Nuclear and Particle Physics	60 (4-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date (Duration)		Academic activities to be organized	No. of Test / Assignment with topic and date
			From	To		
1	Unit I : Nuclear Reactions and Detectors	16	15/7/20	8/8/20	ICT Based Teaching	
2	Unit II : Nuclear Models	14	12/8/20	5/9/20	ICT Based Teaching and Group discussion through Seminar	--
3	Unit III : Charged Particle Accelerators	14	9/9/20	3/10/20	ICT Based Teaching	Activity based Unit Test-I (18.09.2020)
4	Unit IV : Particle Physics	16	7/10/20	7/11/20	ICT Based Teaching	Unit Test II (MCQ) (19.11.2020)


Teacher
Dr.D.V.Raje
 Date:15.07.2020


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


Principal
PRINCIPAL
 Rajarshi Shahu Mahavidyalaya
 (Autonomous), Latur


Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan FIRST TERM 20-21
(Jan 2021 to April 2021)

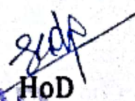
1. Details of Classes to be taught

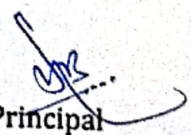
Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lecturers:
1	M.Sc.I (Sem-I)	Dr.D.V.Raje	Physics	P-MPP-119 Mathematical Methods in Physics	60 (4-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date (Duration)		Academic activities to be organized	No. of Test / Assignment with topic and date
			From	To		
1	Unit I : Matrix Algebra and Eigen Value Problems	15	4/1/21	20/2/21	ICT Based Teaching	--
2	Unit II : Partial Differential Equation	15	22/2/21	12/3/21	ICT Based Teaching and Group discussion through Seminar	--
3	Unit III : Calculus Of Residues	15	13/3/21	31/3/21	ICT Based Teaching	Activity based Unit Test-I (15.03.2021)
4	Unit I Unit III : Fourier Series	15	1/4/21	15/4/21	ICT Based Teaching	Unit Test II (MCQ) (16.4.2020)


Teacher
Dr.D.V.Raje
 Date:04.01.2020


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


Principal
PRINCIPAL
 Rajarshi Shahu Mahavidyalaya,
 (Autonomous), Latur


Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan SECOND TERM 20-21
(March 2021 to May 2021)

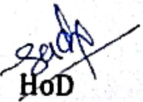
1. Details of Classes to be taught


Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lecturers:
1	B.Sc. I (Sem-II)	Dr.D.V.Raje	Physics	U-PHY-236 Electricity and Magnetism	40 (2-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date (Duration)		Academic activities to be organized	No. of Test / Assignment with topic and date
			From	To		
1	Unit I: Electrostatics	11	11/3/20	8/4/21	ICT Based Teaching	--
2	Unit II: Electromagnetic Induction	11	9/4/13	5/5/21	ICT Based Teaching	---
3	Unit III: Ballistic Galvanometer	11	6/5/11	19/5/21	ICT Based Teaching	Activity based Unit Test-I (10/5/21)
4	Unit IV: Magneto-statics	12	20/5/11	31/5/21	ICT Based Teaching	Unit Test II (MCQ) (9.6.2021)


Teacher
Dr.D.V.Raje
 Date:11.03.2020


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


Principal
PRINCIPAL
 Rajarshi Shahu Mahavidyalaya
 (Autonomous), Latur


Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan SECOND TERM 20-21
(Feb 2021 to May 2021)


1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lecturers:
1	B.Sc. II (Sem-IV)	Dr.D.V.Raje	Physics	U-PHY-435 Nuclear Physics and Relativity	40 (2-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date (Duration)		Academic activities to be organized	No. of Test / Assignment with topic and date
			From	To		
1	Unit I : The Nucleus	10	22/2/21	15/3/21	ICT Based Teaching	--
2	Unit II : Peaceful use Of Nuclear Energy	12	16/3/21	19/4/21	ICT Based Teaching	---
3	Unit III : Radioactivity	12	20/4/21	18/5/21	ICT Based Teaching	Activity based Unit Test-I (19/5/21)
4	Unit IV : Special Theory Of Relativity	11	19/5/21	31/5/21	ICT Based Teaching	Unit Test II (MCQ) (7.6.2021)


Teacher
Dr.D.V.Raje
 Date:22.02.2020


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


Principal
PRINCIPAL
 Rajarshi Shahu Mahavidyalaya
 (Autonomous), Latur


Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Teaching Plan SECOND TERM 20-21
(Feb 2021 to May 2021)

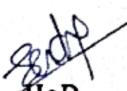
1. Details of Classes to be taught

Sr. No.	Class	Name of Assist. Prof.	Subject	Paper	Total Lecturers:
1	B.Sc. III (Sem-VI)	Dr.D.V.Raje	Physics	U-PHY-641 Atomic, Molecular and Statistical Physics	40 (2-credits)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date (Duration)		Academic activities to be organized	No. of Test / Assignment with topic and date
			From	To		
1	Unit I: Atomic Spectra	12	25/2/21	25/3/21	ICT Based Teaching	--
2	Unit II: Molecular Spectroscopy	11	26/3/21	17/4/21	ICT Based Teaching	---
3	Unit III : Maxwell-Boltzmann Statistics	12	22/4/21	20/5/21	ICT Based Teaching	Activity based Unit Test-I (1/4/21)
4	Unit III : Quantum Statistics	10	21/5/21	31/5/21	ICT Based Teaching	Unit Test II (MCQ) (7.6.2021)


Teacher
Dr.D.V.Raje
 Date:25.02.2020


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


Principal
PRINCIPAL
 Rajarshi Shahu Mahavidyalaya
 (Autonomous), Latur


Rajarshi Shahu Mahavidyalaya(Autonomous),Latur Teaching Plan
SECOND TERM 20-21(April2021to June 2021)

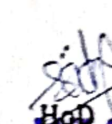
1. DetailsofClasestobetaught

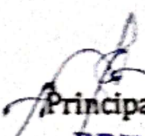
Sr. No.	Class	NameofAssist. Prof.	Subject	Paper	TotalLecturers:
1	M.Sc. I (Sem-II)	Dr.D.V.Raje	Physics	P-AMP-219 Atomic and Molecular Spectroscopy	60 (4-credits)

2. SummaryofLessonPlan

Sr. No.	Unit and Chapter to be covered	Expected No. Of Lectures	Date (Duration)		Academica ctivities tobe organized	No. of Test /Assignmen twithtopic anddate
			From	To		
1	Unit I: Atomic Spectroscopy	15	22/4/21	10/5/21	ICT Based Teaching	—
2	Unit II: Rotational and Vibrational Spectroscopy	15	11/5/21	29/5/21	ICT Based Teaching	—
3	Unit III :Raman and Electronic Spectroscopy	15	30/5/21	14/6/21	ICT Based Teaching	Activity based Unit Test-I (1/4/21)
4	Unit IV :Resonance spectroscopy	15	15/6/21	30/6/21	ICT Based Teaching	Unit Test II (5.6.2021)


Teacher
Dr.D.V.Raje


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


Principal
PRINCIPAL
 Rajarshi Shahu Mahavidyalaya,
 (Autonomous), Latur

Date:22.04.2021