Shikshan Prasarak Mandal's

JAWAHAR ARTS, SCIENCE & COMMERCE COLLEGE

Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 2021 - 22, Department of Physics.

Name of Teacher: Dr. Somshankar Vitnath Rajurane.

Subject: Physics., **Class:** B.Sc. I, **Total Period. :** 45

Semester: I, **Name of Paper:** Mechanics, Properties of matter & sound., **Paper No. :** I

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
1	September				
1	~~September~~ October 2021	11	mechanics – compound pendulum – expression of time period, Interchangibility of centre of suspension & oscillation Kater's pendulum. Newton's Law of gravitation Gravitational field & potential. Gravitational potential of mass Gravitational potential & field due to spherical shell & solid sphere	Model.	
2	November -2021	14	Elasticity – Introduction moduli of elasticity, twisting couple on cylinder, Bending of Beam – Bending moment cantilever loaded at free end a) when weight is ineffective b) when weight is effective Depression of beam supported at centre.	Four corner strategies.	

Teacher

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 202 - 2 , Department of _____

Name of Teacher: _____

Subject: _____, **Class:** _____, **Total Period. :** _____

Semester: _____, **Name of Paper:** _____, **Paper No. :** _____

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
3	December -2021	15	Viscosity & surface Tension:- Viscosity - Introduction, energy of liquid in motion, Bernoulli's Theorem. practical application i) Law of hydrostatic pressure ii) Filter pumps poiseuille's formula. Surface Tension:- Introduction difference of pressure across a curved surface, determination of S.T. by Jaeger's method.		
4	January -2022	13	Ultrasonic - piezo electric effect, piezo-electric generator magnetostriction effect, magnetostriction oscillator Application of ultrasonic - Depth of sea, chemical effects, medical application. Acoustics - Reverberation Acoustical demands of an auditorium, sabine's formula Reverb-time good acoustical design.		

Teacher

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 2021 - 22 , Department of Physics.

Name of Teacher: Dr. Sorashankar Y. Rajmane.

Subject: Physics. **, Class:** B.Sc. I **, Total Period. :** 45

Semester: II **, Name of Paper:** Geometrical & physical optics **, Paper No. :** IV

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
1	March 2022	11	Geometrical & physical optics	Inner konker circle strategies.	
2	April 2022	10	Interference.		

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 202 - 2 , Department of _____

Name of Teacher: _____

Subject:_____, **Class:**_____, **Total Period. :**_____

Semester:_____, **Name of Paper:**_____, **Paper No. :**_____

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
3	May-22	Dis 12	Diffraction.		
4	June-22	11	Polarization.		

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 2021 - 22 , **Department of** Physics.

Name of Teacher: Dr. Somshankar V. Rajmane.

Subject: Physics. , **Class:** B.Sc. II , **Total Period. :** 45

Semester: III , **Name of Paper:** Modern physics & Laser , **Paper No. :** VIII

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
1	September 2021				
2	October - 2021	11	photo electric effect.	PPT	

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 202 - 2 , Department of _____

Name of Teacher: _____

Subject:_____, **Class:**_____, **Total Period. :**_____

Semester:_____, **Name of Paper:**_____, **Paper No. :**_____

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
3	November 2021	14	X-rays.		
4	December -2021	15	Nuclear forces & models.		
5	January. 2022	13	Particle Accelerators & Detectors	charts.	

Teacher

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Principal

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 2021 - 22, Department of Physics.

Name of Teacher: Dr. Sambhaokar V. Rajoure

Subject: Physics. **, Class:** B.Sc. II **, Total Period. :** 45

Semester: IV **, Name of Paper:** General Electronics. **, Paper No. :**

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
1	March. 2022	12	semiconductors	charts	
2	April 2022	12	Transistor Biasing & Amplifiers.	model.	
3	May 2022	13	oscillators & multivibrators.		

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 202 - 2 , Department of _____

Name of Teacher: _____

Subject:_____, **Class:**_____, **Total Period. :**_____

Semester:_____, **Name of Paper:**_____, **Paper No. :**_____

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
4	June. 2022	13	modulation and Demodulation.		

Teacher

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Principal

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 2021 - 22, Department of Physics.

Name of Teacher: Dr. Somshankar V. Rajmane.

Subject: Physics, **Class:** B.Sc. III, **Total Period. :** 45

Semester: V, **Name of Paper:** classical & Quantum mechanics **Paper No. :** XV

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
1	September 2021				
2	October 2021	11	classical & Quantum mechanics.	Lecture.	
3	November 2021	14	Origin of Quantum theory.	Lecture.	

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 202 - 2 , Department of _____

Name of Teacher: _____

Subject:_____, **Class:**_____, **Total Period. :**_____

Semester:_____, **Name of Paper:**_____, **Paper No. :**_____

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
4	December 2021	15	Wave particle duality	Lecture	
5	January 2022	13.	The schrodinger's equation & its application.	Lecture.	

Teacher

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plane, Academic Year 2021 - 22, Department of Physics.

Name of Teacher: Dr. Sowshankar V. Rajmane.

Subject: Physics. **, Class:** B.Sc. III **, Total Period. :** 45

Semester: VI **, Name of Paper:** Atomic & Molecular physics., **Paper No. :** XIX

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
1	Feb 2022				
2	March 2022	12	The Atom Model.	Lecture	
3	April 2022	12	Vector Atom model.	Lecture	

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Name of Teacher: _____

Subject:_____, **Class:**_____, **Total Period. :**_____

Semester:_____, **Name of Paper:**_____, **Paper No. :**_____

Sr.No.	Month	Total Periods In Month	Name of Chapter /Unit	Teaching Method Use	Remark
4	May 2022	13	molecular spectra		
5	June 2022	13	LASER		

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