A.V.E.S.

DEPT. OF PHYSICS ANNUAL TEACHING PLAN

YEAR:2023-2024

CLASS:B.Sc.I Year



	THE STATE OF	PLANNING		EXECUTION			
TOPIC / SUB TOPIC	Expe. Periods	Expected Duration		Actl. Periods	Actual Duration		
		From	То		From	То	
UNIT-I Mechanics Laws of mechanics, Newton, s law of gravitation, Kepler's laws of planetary motion, Gravitational field, intensity , potential energy, conservation laws, work , power , energy , conservation of energy, conservative and noncoservative force UNIT-II Surface Tension	12	18/8/23	14/9/23	10	18/8/23	16/9/2	
Molecular forces, ST and its explaination, Pressure difference across the curved surfaceExcess pressure inside drop and soap bubble, ST by Jaeger's method and Fergusion method	10	15/9/23	8(10)23	9	149123	10/1/2	
UNIT-III Viscosity Coefficient of viscosity, streamline flow, critical velocity,Reynold's number,and its significan's,Bernoulies theorem,Poiseuille's equation,Experimental determination of coefficient of viscosity by Poiseuille's method	10	8/10/2023	27/10/23	9	11/10/23	25/19/2	
UNIT-IV: Elasticity Hooke's law,elastic constants,Poissoin's ratio,Twisting couple on a cylinder,Torsional pendulum ,Bending of beam,Bending moment,Cantilever(Weight effective, ineffective) Depression of beam supported at bends and loaded at centre, Determination of Y by bending of beam	12	15/7/2023	17/8/2023	1 1 1 1 1	15.7.23	1818/2	

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Head Principal
Depret Physics A.Vibestamiestege
Degloor College, Degloor College Degloor

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DEPT. OF PHYSICS
ANNUAL TEACHING PLAN

NAME OF TEACHER:

Dr. Bhanudas Narwade

CLASS:B.Sc.II Year

2023-24

PAPER NAME & NO.:

SEMESTIII

Waves, Acoustics & Ultrasonics

	947	I Pitter	PLANN	ING		EXECUTI	ION
SR.NO.	TOPIC / SUB TOPIC	Expe.	Expect	ted Duration	Actl.	Actua	l Duration
Prod.	1 1	Periods	From	То	Periods	From	То
1	UNIT-I WAVES	AT ST	Walles -	A CONTRACTOR OF THE SECOND	Ý		
	Introduction, Relation between wave velocity and partical velocity, Differntial equation of Equation of vibrating string, Velocity of transvrse wave, Frequency and period	11	15/7/23	14/8/23	10	1517	198
2	UNIT-II STATIONARY WAVES	. 32"	v 30 1 1 1	14 F #35	ALL DOOR	V 200	# W.
1	Analytical treatment of stationary waves Pressure and density at nodes and antinodes Distribution of energy in stationary wave Energy not transferred	10	21/8/23	13/9/23	10	10/8	10/9
3	UNIT-III FREE AND FORCED VIBRATIC			The state	Allen.	4. 3	Vil.
1	Free forced vobrationd, Resonance Energy of oscillatory motion, Damped SHM in electrical circuit, forced vibration, Resonance and sharpness of resonance, phases of resonance and examples of forced and resonant vibration	10	13/9/23	25/9/23	09	ייןקר	25)9
L'SK	UNIT-IV ACOUSTICS AND ULTRASONICS Reverbration Reverbration time, Sabin's formula, absorption coefficien determination of absorbtion coefficie conditions for good acoustics ULTRASONICS	10	219/23	18/10/23	08	28/9	23110
1	Piezo-electric and Magnetostriction e Piezo-electric and Magnetostriction o Detection of ultrasonic waves Acoustic grating, Kunds tube method Applications of ultrasonics					in .	

or B Salorwale Blormanig Name and Sign. Of Teacher

H.O.Dhead
Dept.offfhysics
Degloor College, Degloor

Principal
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Degloor Pallege Ollegeor

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DEPT. OF PHYSICS

ANNUAL PLAN 2023-24

NAME OF TEACHER:

Mr.Bodke A.H

PAPER NAME & NO.:

UNIT

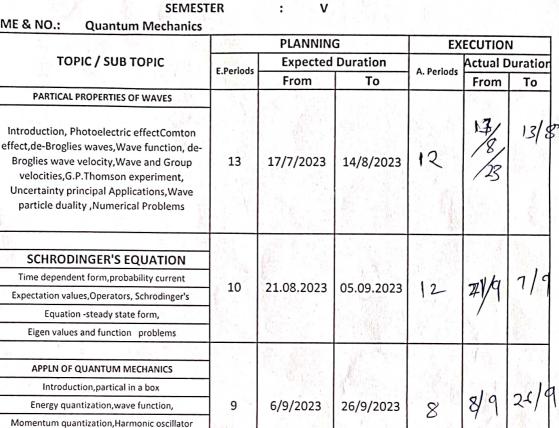
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Energy level, Particle in 3-D box

QUANTUM THEORY OF H ATOM Schrodinger's equation for the Hydrogen atom in spherical polar co-ordinates separation of variables,

Quantum Numbers-Total quantum numbers, Orbital quantum numbers, magnetic quantum numbers, spin quantum numbers

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27.9.2023

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23/10/2023

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DEPT. OF PHYSICS

ANNUAL TEACHING PLAN

NAME OF TEACHER: Poradwar S. S

Class: Bsc - third year

SEMESTER : V

PAPER NAME & NO : Solid St

SR.NO.	700			PLA	NNING					
	TOPIC / SUB TOPIC	IPIC / SUB TOPIC		Ext	Expected Duration			EXECU	EXECUTION	
1	UNIT-I -Crystal structur	-	Periods	From	To		Actl. Periods	Actual Duration		
s S B	Introduction, Crystal Lattices a Translation vectors, Unit cell, E symmetry operations, Point gr pace group, Types of lattices, imple crystal structure (HCP, F CC, SC), Structure of Diamond, aCl, Problems. INIT-II Bonding in Solid and X-I Diffraction	and Basis, oups,	10	20/7/2023	11/2/2023		11 15	From 5/7/2023	11/2/202	
met Vand diffra	er atomic forces and types of ding, ionic bond, covalent bon allic bond, hydrogen bond, der-waal's bond. X-ray action, Bragg's law, Laue's lod, Rotating crystal method	nd,	10	12/8/2023	2/9/2023	9	HHH	#####	1/9/2023	
UI	IIT-III Thermal properties of		4.7	(1				
Specific of solic heat Ca heat Ca specific Debye n	c heat of gases, Specific heat ls, Classical theory of Lattice pacity, Einstein's theory of pacity, Debye's theory of heat of solids.	12	7/5	0/2023	5/10/2023	13	2/9/20	30	0/9/2023	

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electrons from metal

law, Electronic specific heat, Thermoionic emission, escape of

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