

Koyana Education Society's  
Balasaheb Desai College, Patan  
Department of Physics  
Monthly Teaching Plan-Year-2023-2024  
September- 2023

Name of the Teacher-Mr.M.D.Jadhav

Dates	Unit	Sub unit	Teaching Method Aids
<b>B.Sc.-I Paper II</b>			
2/09/2023	3.Viscosity	Poiseuille's equation	Lecture
6/09/2023		Experimental determination of coefficient of viscosity of liquid by Poiseuille's method,	Lecture
13/09/2023		effect of temperature and pressure on viscosity of liquid.	Lecture -Chart
14/09/2023	4. Surface tension (6 hours)	Surface tension (definition), Angle of contact and wettability	Lecture -Chart
19/9/2023 20/9/2023		Relation between surface tension, excess of pressure and radius of curvature,	Lecture
24/9/2023		Experimental determination of surface tension by Jaeger's method,	Lecture
<b>B.Sc.-II</b>			
1/09/2023	3.Wave Motion and Ultrasonic Waves (8 hr)	Normal modes of a string, Group velocity and Phase velocity,	Lecture
3/09/2023		Plane waves, Spherical waves. Ultrasonic waves:	Lecture
7/9/2023		Piezo-electric effect, Production of ultrasonic waves by Piezo-electric oscillator,	Lecture
13/09/2023		Detection of ultrasonic waves, Properties of ultrasonic waves,	Lecture
14/09/2023		Applications of ultrasonic waves.	Lecture
23/09/2023	Unit II: 1. Sound and Acoustics of Buildings (7)	Sound: Transducers and their characteristics, Pressure microphone,	Lecture
24/09/2023		Moving coil loudspeaker, Intensity	Lecture
30/9/2023		loudness of sound, Decibels, Intensity levels,	Lecture
<b>B.Sc.-III</b>			
1-4/09/2023	2.Timer	Monostable multivibrator.	Lecture Chart
5/09/2023	3.Cathode ray Oscilloscope (04 )	Introduction to CRO,	Lecture
7/09/2023		Block diagram of CRO	Lecture



Dates	Unit	Sub unit	Teaching Method Aids
8/09/2023	3.Cathode ray Oscilloscope (04 )	Principle, construction and working of CRT, Applications of CRO	Lecture
11/09/2023		measurement of A. C. and D.C. voltages,	Lecture
12-14/09/2023		Measurement periodic time	Lecture
15/09/2023		Measurement frequency and phase difference,	Lecture
30/09/2023		Lissajous figures	Lecture

  
**PRINCIPAL**  
 Balasaheb Desai College,  
 Patan, Dist. Satara