

Koyana Education Society's
Balasaheb Desai College, Patan
Department of Physics
Teaching Plan- Month-February- 2024
Name of the Teacher-Mr. M.D. Jadhav

Dates	Unit	Sub unit	Teaching Method Aids
B.Sc.-I			
3/02/2024	3 Electromagnetic Induction	self and mutual inductance, L of single coil,	Lecture
5/2/2024		Mutual Inductance of two coils	Lecture
10/02/2024		Energy stored in magnetic field	Lecture
14/2/2024	4 Maxwell's equation and Electromagnetic wave propagation	Equation of continuity of current ,displacement current ,	Lecture
17/02/2024		Maxwell's equation , Poynting's vector	Lecture
24/02/2024		Energy density in electromagnetic field	Lecture
26/2/2024		Electromagnetic wave propagation through vacuum and isotropic dielectric medium	Lecture
B.Sc.-II			
2/02/2024	1 Interference	Newton's rings	Lecture
5/02/2024		Application for determination of wavelength and refractive index of light.	Lecture
6/02/2024	2. Diffraction	Fraunhofer diffraction- Elementary theory of plane diffraction grating,	Lecture
12/02/2024		Determination of wavelength of light using diffraction grating,	Lecture
13/02/2024		Theory of Fresnel's half period zones,	Lecture
20/02/2024		one plate (construction, working and its properties),	
20/02/2024		Fresnel's diffraction at straight edge.	
B.Sc.III			
1-3/02/2024	3. Stellar Evolution: (06 hours), e, Sunspots, Sunspot cycle	The H-R Diagram, Evolution of main	Lecture-Chart
5-6/02/2024		Sequence stars - Red giants and White dwarfs,	Lecture-Chart
8-10/02/2024		Evolution of more massive stars-	Lecture-Chart
12/02/2024		Neutron star, Black hole	Lecture
13/02/2024		Structure of Sun, Surface of the Sun,	Lecture
15/02/2024		Structure of Sun, Surface of the Sun,	Lecture


PRINCIPAL
Balasaheb Desai College
Patan, Dist: Satara

