

Koyana Education Society Patan
Balasaheb Desai College Patan
Monthly Teaching Plan
Year 2024-25

Department: Physics Class: B. Sc. I, B. Sc. II, B.Sc. Part – III, Paper No.: IX & XI
Month: September 2024 Class: B. Sc. I & B. Sc. III Practical
Name of the teacher: Dr. Mrs. Kumbhar Sneha Suyash

Date/Day	Time	Class	Unit/Sub-Unit	Teaching Methods/ ICT Used
02/09/2024 Monday	10.30-11.30	B.Sc. I P – II	Electric susceptibility of dielectrics	Lecture
	1.30-2.30	B.Sc. III P – IX	Motion of charged particle in uniform magnetic field B	Lecture, YouTube
03/09/2024 Tuesday	9.30-10.30	B.Sc. II P – VI	experimental determination of coefficient of viscosity of a liquid by Poiseuille's method,	Lecture & Experiment
	10.30-1.30	B.Sc. III	Practical	
	1.30-2.30	B.Sc. III P – IX	Motion of charged particle in crossed uniform electric field E and magnetic field B	Lecture
04/09/2024 Wednesday	12.30-1.30	B.Sc. I P - II	Revision of dielectrics	Discussion & Brainstorming
	2.30-3.30	B.Sc. III P – XI	Revision and test on rigid body motion	Discussion & Brainstorming
05/09/2024 Thursday	9.30-1.30	B.Sc. III	Practical	
	2.30-3.30	B.Sc. III P - XI	2. Special Theory of Relativity Inertial and non-inertial reference frames	Lecture
06/09/2024 Friday	1.30	B.Sc. I	Practical	
09/09/2024 Monday	10.30-11.30	B.Sc. I P – II	4. Magnetostatics Introduction to magnetization and intensity of Magnetization	Lecture
	1.30-2.30	B.Sc. III P – IX	Motion of charged particle in crossed uniform electric field E and magnetic field B	Lecture

10/09/2024 Tuesday	9.30-10.30	B.Sc. II P – VI	effect of temperature on viscosity of a liquid	Lecture
	10.30-1.30	B.Sc. III	Practical	
	1.30-2.30	B.Sc. III P - IX	Revision of Charged particle dynamics	Discussion
11/09/2024 Wednesday	10.30-11.30	B.Sc. I P – II	Biot-Savart's law & its applications- straight conductor	Lecture
	1.30-2.30	B.Sc. III P – XI	Galilean transformation equations	Lecture
12/09/2024 Thursday	9.30-1.30	B.Sc. III	Practical	
	2.30-3.30	B.Sc. III P - XI	Michelson-Morley experiment	Lecture, YouTube
13/09/2024 Friday	1.30	B.Sc. I	Practical	
17/09/2024 Monday	10.30-11.30	B.Sc. I P – II	Biot-Savart's law & its applications- circular coil	Lecture
	1.30-2.30	B.Sc. III P – IX	Test on Charged particle dynamics	Brainstorming
18/09/2024 Wednesday	10.30-11.30	B.Sc. I P – II	Biot-Savart's law & its applications- solenoid carrying current	Lecture
	1.30-2.30	B.Sc. III P – XI	Michelson-Morley experiment	Lecture
19/09/2024 Thursday	9.30-1.30	B.Sc. III	Practical	
	2.30-3.30	B.Sc. III P - XI	Postulates of special theory of relativity	Lecture
20/09/2024 Friday			DL	
21/09/2024 Saturday			DL	

23/09/2024 Monday	10.30-11.30	B.Sc. I P - II	Divergence and curl of magnetic field	Lecture
	1.30-2.30	B.Sc. III P - IX	2. Maxwell's Equations Biot-Savart's law, Amperes law	Lecture
24/09/2024 Tuesday	9.30-10.30	B.Sc. II P - VI	Viscosity of liquid by rotating cylinder method	Lecture
	10.30-1.30	B.Sc. III	Practical	
	1.30-2.30	B.Sc. III P - IX	Derivation of $\vec{\nabla} \cdot \vec{B} = 0$ and $\vec{\nabla} \times \vec{B} = \vec{J}$	Lecture
25/09/2024 Wednesday	1.30-2.30	B.Sc. III P - XI	Lorentz transformation equations	Lecture
26/09/2024 Thursday	9.30-1.30	B.Sc. III	Practical	
	2.30-3.30	B.Sc. III P - XI	Relativistic addition of velocities	Lecture
27/09/2024 Friday	1.30	B.Sc. I	Practical	
30/09/2024 Monday	10.30-11.30	B.Sc. I P - II	Magnetic vector potential, Ampere's circuital law.	Lecture
	1.30-2.30	B.Sc. III P - IX	Derivation of $\vec{\nabla} \cdot \vec{B} = 0$ and $\vec{\nabla} \times \vec{B} = \vec{J}$	Lecture

Gmbs
(Dr. S. S. Kumbhar)


Head of the
Physics Department