

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: October 2024

Class: B. Sc. I & B. Sc. III Practical

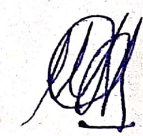
Name of the teacher: Dr. Mrs. Kumbhar Sneha Suyash

Date/Day	Time	Class	Unit/Sub-Unit	Teaching Methods/ ICT Used
01/10/2024 Tuesday	9.30-10.30	B.Sc. II P – VI	Searle's viscometer	Lecture & experiment
	10.30-1.30	B.Sc. III	Practical	
	1.30-2.30	B.Sc. III P - IX	Displacement current, Maxwell's correction to Amperes law	Lecture
03/10/2024 Thursday	9.30-1.30	B.Sc. III	Practical	
	2.30-3.30	B.Sc. III P - XI	Length contraction, Time dilation	Lecture
04/10/2024 Friday	1.30	B.Sc. I	Practical	
07/10/2024 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	Maxwell's equation for time dependent electric and magnetic fields in vacuum	Lecture
08/10/2024 Tuesday	9.30-10.30	B.Sc. II P – VI	Searle's viscometer	Lecture
	10.30-1.30	B.Sc. III	Practical	
	1.30-2.30	B.Sc. III P - IX	Maxwell's equation for time dependent electric and magnetic fields in vacuum	Lecture
09/10/2024 Wednesday	10.30-11.30	B.Sc. I P – II	Revision of Magnetostatics	Discussion & Brainstorming
	1.30-	B.Sc. III	Variation of mass with velocity, Mass-energy	Lecture

	2.30	P – XI	relation.	
10/10/2024	9.30-1.30	B.Sc. III	Practical	
Thursday	2.30-3.30	B.Sc. III P – XI	Revision of Special theory of relativity	Discussion
11/10/2024	1.30	B.Sc. I	Practical	
Friday				
14/10/2024	10.30-11.30	B.Sc. I P – II	Discussion of Q & A	Brainstorming
Monday	1.30-2.30	B.Sc. III P – IX	Maxwell's equation in material medium.	Lecture
15/10/2024	9.30-10.30	B.Sc. II P – VI	viscosity of gases by Rankine's method (qualitative treatment only)	Lecture
Tuesday	10.30-1.30	B.Sc. III	Practical	
	1.30-2.30	B.Sc. III P – IX	Maxwell's equation in material medium.	Lecture
16/10/2024	10.30-11.30	B.Sc. I P – II	Test on Electrostatics	Brainstorming
Wednesday	1.30-2.30	B.Sc. III P – XI	Test on Special theory of relativity	Brainstorming
17/10/2024	9.30-1.30	B.Sc. III	Practical	
Thursday	2.30-3.30	B.Sc. III P – XI	Discussion on Lagrangian and Hamiltonian formulation	Lecture
18/10/2024	1.30	B.Sc. I	Practical	
Friday				
21/10/2024	10.30-11.30	B.Sc. I P – II	Test on Dielectrics	Discussion & Brainstorming
Monday	1.30-2.30	B.Sc. III P – IX	Revision of Maxwell's Equations	Discussion & Brainstorming
22/10/2024	9.30-10.30	B.Sc. II P – VI	Lubrication	Lecture
Tuesday				

	10.30-1.30	B.Sc. III	Practical	
	1.30-2.30	B.Sc. III P - IX	Test on Maxwell's Equations	Brainstorming
23/10/2024 Wednesday	10.30-11.30	B.Sc. I P - II	Revision of syllabus	Lecture
	1.30-2.30	B.Sc. III P - XI	Test on Lagrangian and techniques of calculus of variation	Discussion & Brainstorming
24/10/2024 Thursday	9.30-1.30	B.Sc. III	Practical	
	2.30-3.30	B.Sc. III P - XI	Test on rigid body motion and special theory of relativity	Discussion & Brainstorming
25/10/2024 Friday	1.30	B.Sc. I	Practical	
26/10/2024 Saturday			DL	
27/10/2024 Sunday			Diwali vacation	


 (Dr. S. S. Kumbhar)


 Head of the
 Physics Department