

Koyana Education Society Patan
Balasaheb Desai College Patan
Monthly Teaching Plan
Year 2023-24

Department: Physics

Class: B.Sc. Part – III, Paper No.: IX & XI

Month: September 2023

Class: B. Sc. II Practical

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

Date / Day	Time	Class	Units / Sub-units	Teaching methods / ICT Used
01/09/2023 Friday	11.20-12.15	B. Sc. III P-XI	Atwood's machine and a bead sliding on uniformly rotating wire under force free condition.	Lecture
02/09/2023 Saturday	12.15-1.05	B. Sc. III P-XI	2. Techniques of Calculus of Variation Hamilton's principle	Lecture
04/09/2023 Monday	12.15-1.05	B. Sc. III P-IX	2. Frobenious Method and Special Functions Singular points of second order differential equations	Lecture
	1.15-5.25	B. Sc. III	Practical	
05/09/2023 Tuesday	10.30-1.00	B. Sc. II	Practical	
06/09/2023 Wednesday	12.15-1.05	B. Sc. III P-IX	Application of singularity to Legendre and Bessel differential equation	Lecture
	1.15-5.52	B. Sc. III	Practical	
07/09/2023 Thursday	11.20-12.15	B. Sc. III P-IX	Series solution method of solving second order linear differential equation (Frobenious method)	Lecture
	12.15-1.05	B. Sc. III P-XI	Deduction of Hamilton's principle from D'Alembert's principle	Lecture
08/09/2023 Friday	11.20-12.15	B. Sc. III P-XI	Deduction of Lagrange's equation from Hamilton's principle	Lecture
09/09/2023 Saturday	12.15-1.05	B. Sc. III P-XI	Applications-shortest distance between two points in a plane, Brachistochrone problem	Lecture
11/09/2023 Monday	12.15-1.05	B. Sc. III P-IX	Frobenious method application to Legendre differential equation.	Lecture
	1.15-5.25	B. Sc. III	Practical	

12/09/2023 TT uesday	10.30- 1.00	B. Sc. II	Practical	
13/09/2023 Wednesday	12.15- 1.05	B. Sc. III P-IX	Revision, Question and Answer	Brainstorming, Disussion
	1.15- 5.52	B. Sc. III	Practical	
14/09/2023 Thursday	11.20- 12.15	B. Sc. III P-IX	Discussion, Question and Answer	Brainstorming, Disussion
	12.15- 1.05	B. Sc. III P-XI	UNIT- II 1.Special Theory of Relativity Inertial and non-inertial reference frames, Galilean transformation equations	Lecture
15/09/2023 Friday	11.20- 12.15	B. Sc. III P-XI	Michelson Morley experiment	Lecture, You tube
16/09/2023 Saturday	12.15- 1.05	B. Sc. III P-XI	postulates of special theory of relativity,	Lecture
18/09/2023 – 23/09/2023			Ganesh Chaturthi holiday	
25/09/2023 Monday	12.15- 1.05	B. Sc. III P-IX	UNIT-II 1. Some Special Integrals Gamma function, Properties of Gamma function	Lecture
	1.15- 5.25	B. Sc. III	Practical	
26/09/2023 TT uesday	10.30- 1.00	B. Sc. II	Practical	
27/09/2023 Wednesday	12.15- 1.05	B. Sc. III P-IX	Beta function, Properties of Beta function	Lecture
	1.15- 5.52	B. Sc. III	Practical	
28/09/2023			Eid Holiday	
29/0/2023			Anat Chaturdashi Holiday	
30/09/2023 Saturday	12.15- 1.05	B. Sc. III P-XI	Lorentz transformation equations,	Lecture


 Name of the Teacher
 (Dr. Sneha S. Kumbhar)


 Head of the
 Physics Department
 Mr. M. D. Kumbhar