

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

Department: Physics

Class: B.Sc. Part – III, Paper No.: XIII & XIV

Month: January 2024

Class: B. Sc. II Practical

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

Date/Day	Time	Class	Unit/Sub-Unit	Teaching Methods/ ICT Used
01/01/2024 Monday	12.15-1.05	B. Sc. III P-XIII	Principle of phase stable orbit,	Lecture, You- tube
	1.15-5.25	B. Sc. III	Practical	
02/01/2024 Tuesday	10.30-1.00	B. Sc. II	Practical	
03/01/2024 Wednesday	12.15-1.05	B. Sc. III P-XIII	Synchrocyclotron - construction and working	Lecture, You- tube
	1.15-5.25	B. Sc. III	Practical	
04/01/2024 To 07/01/2024			DL (NSS Camp)	
08/01/2024 Monday	12.15-1.05	B. Sc. III P-XIII	Synchrotrons- electron synchrotron	Lecture
	1.15-5.25	B. Sc. III	Practical	
09/01/2024 Tuesday	10.30-1.00	B. Sc. II	Practical	
10/01/2024			DL (NSS Camp)	
11/01/2024 Thursday	11.20-12.15	B. Sc. III P-XIII	Proton synchrotron,	Lecture
	12.15-1.05	B. Sc. III P-XIV	Ewald construction,	Lecture
12/01/2024 Friday	11.20-12.15	B. Sc. III P-XIV	Bragg's law in reciprocal lattice	Lecture
13/01/2024 Saturday	12.15-1.05	B. Sc. III P-XIV	Experimental methods in X-ray diffraction	Lecture
15/01/2024 Monday	12.15-1.05	B. Sc. III P-XIII	Betatron - principle, construction	Lecture, You- tube
	1.15-5.25	B. Sc. III	Practical	
16/01/2024 Tuesday	10.30-1.00	B. Sc. II	Practical	

17/01/2024 Wednesday	12.15-1.05	B. Sc. III P-XIII	Betatron -Working condition, expression of energy gain.	Lecture
	1.15-5.25	B. Sc. III	Practical	
18/01/2024 Thursday	11.20-12.15	B. Sc. III P-XIII	Revision	Discussion
	12.15-1.05	B. Sc. III P-XIV	Experimental methods in X-ray diffraction	Lecture
19/01/2024 Friday	11.20-12.15	B. Sc. III P-XIV	Analysis of cubic crystal by powder method.	Lecture
20/01/2024 Saturday	12.15-1.05	B. Sc. III P-XIV	Revision	Discussion.
22/01/2024 Monday	12.15-1.05	B. Sc. III P-XIII	Question and Answer	Brainstorming
	1.15-5.25	B. Sc. III	Practical	
23/01/2024 Tuesday	10.30-1.00	B. Sc. II	Practical	
24/01/2024 Wednesday	12.15-1.05	B. Sc. III P-XIII	Unit II 1. Nuclear Detectors Ionization chamber, Geiger Muller counter- construction,	Lecture, You- tube
	1.15-5.25	B. Sc. III	Practical	
25/01/2024			DL (B. Sc. III study trip)	
26/01/2024			Republic Day Holiday	
27/01/2024 Saturday	12.15-1.05	B. Sc. III P-XIV	Question and Answer	Brainstorming
29/01/2024 Monday	12.15-1.05	B. Sc. III P-XIII	Geiger Muller counter - working and theory	Lecture
	1.15-5.25	B. Sc. III	Practical	
30/01/2024 Tuesday	10.30-1.00	B. Sc. II	Practical	
31/01/2024 Wednesday	12.15-1.05	B. Sc. III P-XIII	Dead time and recovery time,	Lecture
	1.15-5.52	B. Sc. III	Practical	

Smb

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

[Signature]

HOD of the
Physics Department
Mr. M. D. Jadhav