

Lesson Plan

Name - Reena
Subject - Physics

Designation - Asst. Professor
Class - B.Sc. 6th semester
PHY 601 and PHY 602

Date

Topic

15.01.24 → 20.01.2024	Vector atom model and quantum no.
22.01.24 → 27.01.2024	Penetrating and non penetrating orbits, alkali spectra
29.01.24 → 03.02.2024	LS coupling, jj coupling, Zeeman effect
05.02.24 → 10.02.2024	Sodium D ₁ & D ₂ lines, Paschen Back effect, Stark effect.
12.02.24 → 17.02.2024	Vibrational and rotational spectra, Raman effect
19.02.24 → 24.02.2024	Features of laser, Einstein's co-efficients Kinetics of optical absorption
26.02.24 → 02.03.2024	Threshold condition of laser, laser pumping He-Ne laser, Ruby laser, applications.
04.03.24 → 09.03.2024	Different nuclear parameters, Determination of mass by Bain Bridge & Jordan mass spectrograph
11.03.24 → 16.03.24	Moseley law, Rutherford back scattering, concept of α disintegration
18.03.24 → 22.03.2024	Concept of β -decay and gamma ray interaction
01.04.24 → 06.04.2024	Different types of nuclear reactions
08.04.24 → 13.04.2024	Nuclear reactors and accelerators
15.04.24 → 20.04.2024	Particle detectors and counters
22.04.24 → 27.04.2024	Revision of paper PHY 601
29.04.24 → 30.04.2024	Revision of paper PHY 602

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13/01/2024