

Govt. College For Girls, Manesar

Lesson Plan

Name of Teacher: Dr. Pushpa Kumari		Class: BSc 6 th Sem
Session: 2022-23 Even Semester		Subject:
Month	Week	Topic
February	3	Unit 1: Vector atom model, Orbit, Spectral lines
	4	Spin orbit interaction, L-S, R-S Coupling
March	1	Unit 1: Nuclear mass, binding energy, properties.
	2	Determination of ρ mass by two methods
	3	Determination of charge, Nuclei size, Rutherford
	4	Unit: 2: Alpha particles or Decay
April	1	Beta particle or Decay
	2	Gamma Rays or Decay
	3	Unit 3: Nuclear Reactions, Reactors
	4	Linear accelerators, Tandem, cyclotron & Betatron, G.M counter.
May	1	Unit 2: Zeeman Effect, Paschen Effect
	2	Weak field Stark Effect, Raman effect, Energy levels
	3	Unit 3: Feature of Laser, Threshold Condition.
	4	Laser Pumping, He-Ne Laser & Ruby Laser, Application
June	1	Revision

Pushpa