

## Lesson plan

Name of the college: IGN COLLEGE, LADWA

Academic session: 2022-23

Semester: odd

Dr. ArvindGarg

Associate Professor

Physics Department

Month	Class	Topic/Chapter to be covered	
Paper PH:502, Nuclear physics			
September	B.Sc. VI Sem.	Nuclear Structure and Properties of Nuclei (unit - I)	
October	B.Sc. VI Sem.	Nuclear Radiation Decay process & Radiation interaction (unit - II)	1 <sup>st</sup> Assignment
November	B.Sc. VI Sem.	Nuclear accelerators and nuclear radiation detectors (unit - III)	Test
December	B.Sc. VI Sem.	Nuclear reactions and nuclear reactors(unit-IV)	2 <sup>nd</sup> Assignment
Paper PH:302, Wave and optics - I			
September	B.Sc. IV Sem.	Interference –I (unit - I)Interference by wavefront	
October	B.Sc. IV Sem.	Interference –II(unit - II)Interference by amplitude	1 <sup>st</sup> Assignment
November	B.Sc. IV Sem.	Diffraction – I (unit - III)Fresnel diffraction	Test
December	B.Sc. IV Sem.	Diffraction – II (unit - IV)Fraunhoffer diffraction	2 <sup>nd</sup> assignment
Paper PH : 101 Classical Mechanics and theory of relativity			
September	B.Sc. I Sem.	Basic concepts of classical mechanics (unit - I)	
October	B.Sc. I Sem.	Generalized notations (unit - II)	1 <sup>st</sup> assignment
November	B.Sc. I Sem.	Theory of relativity (unit III)	Test
December	B.Sc. I Sem.	Applications of theory of Relativity (unit-IV)	2 <sup>nd</sup> Assignment