

B.Sc. 1st (Semester - I)

Paper I : Classical Mechanics and Theory of Relativity

Summary of Lesson Plans of College Faculty

PH-101

Name of College : IG N College, Ladwa Academic Session 2018-19 Semester : Odd/Even- for the month of \_\_\_\_\_, 2018

S.No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organized	Topic of Assignments/ Tests to be given to the students
July, 2018	DR. ARVIND GARG	PHYSICS	Basic concepts of classical mechanics (Unit I)		
August, 2018	do	do	Generalized coordinates (Unit II)	Assignment to the students	
September 2018	do	do	Theory of Relativity upto Michelson's Morley expt (Unit III)		Test to the students from Unit II
October 2018	do	do	concept of simulating relativity upto transformation of relativistic momentum and energy (Unit IV)	Assignment to the students	
November 2018	do	do	Mass energy & relation to momentum & energy of zero rest mass (Unit - IV)	Assignment to the students	

B. Sc. 3rd (Semester - IV)

Paper II : Nuclear Physics PH - 502

**Summary of Lesson Plans of College Faculty**

Name of College : **IGN College, Ladwa**      Academic Session 2018-19      Semester : **Odd/Even-**      for the month of \_\_\_\_\_, 2018

S.No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organized	Topic of Assignments/ Tests to be given to the students
July 2018	DR. ARVIND GAR G	Physics	Nuclear structure and properties of nuclear upto the charge by mesons (unit I)		
August 2018	do	do	Rutherford back scattering upto energetics of gamma rays (unit - II)		Assignments to the students
September 2018	do	do	Radiation interaction upto the absorption of gamma rays and its application (unit - II)		Test to the students
October 2018	do	do	Nuclear accelerators, nuclear radiation detectors upto the $\alpha$ -value and reaction threshold (unit III & IV)		Assignments to the students
November 2018	do	do	Nuclear reactors (unit - IV)		