



Integral University, Lucknow
Department of Physics

Study and Evaluation Scheme of Under Graduate & Post Graduate Program as per NEP-2020 Guidelines
w.e.f. Session 2024-25

Degree in Science (Physics & Mathematics)

Year: Third / Semester: Fifth (Odd Semester)

S. No.	Course Code	Course Title	Type of Paper	Periods Per Week			Evaluation Scheme				Subject Total	Credit	Total Credit	Attributes						SDG
							CIE			UE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment and Sustainability	Human Values	
				L	T	P	CT	TA	CIE Total	ESE										
THEORY																				
1	B010501T/ PY311	Classical & Statistical Mechanics	Major	4	0	0	15	10	25	75	100	4:0:0	4	✓		✓				
2	B010502T/ PY312	Quantum Mechanics and Spectroscopy	Major	4	0	0	15	10	25	75	100	4:0:0	4	✓		✓				
3	B030501T/ MT320	Group and Ring Theory & Linear Algebra	Major	4	0	0	15	10	25	75	100	5:0:0	5	✓		✓				
4	(a) B030502T/ MT321 (b) B030503T/ MT322 (c) B030504T/ MT323	Opt any one of the following: (a) Number Theory & Game Theory (b) Graph Theory & Discrete Mathematics (c) Differential Geometry & Tensor Analysis	Major	4	0	0	15	10	25	75	100	5:0:0	5	✓		✓				
5	Z050501/ MT337	Analytic Ability and Digital Awareness	Minor (Co-Curricular)	2	0	0	15	10	25	75	100	2:0:0	2	✓	✓	✓		✓	✓	
PRACTICAL																				
6	B010503P/ PY313	Demonstrative Aspects of Optics & Lasers	Major	0	0	4	15	10	25	75	100	0:0:2	2	✓		✓				
7	B030503R/ PY316	Physics Project-I	Major	0	0	6	0	0	0	100	100	0:0:3	3	✓		✓		✓	✓	
Total				18	0	10	90	60	150	550	700	25	25							

