



Integral University, Lucknow
Department of Physics
 Study and Evaluation Scheme of Under Graduate Program
 w.e.f. Session 2020-21

B.Sc. (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	Professional Ethics		
				L	T	P	CT	TA	CIE Total	ESE											
THEORY																					
1	PY301	Elements of Quantum Mechanics, Atomic & Molecular Spectra	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					
2	PY302	Classical Mechanics, Relativity & Statistical Physics	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					
3	PY303	Solid State, Nuclear & Particle Physics	Core	2	1	0	40	20	60	40	100	2:1:0	3	✓		✓					
4	MT301	Advanced Calculus	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					
5	MT302	Mathematical Statistics	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓					
6	MT303	Number Theory	Core	2	1	0	40	20	60	40	100	2:1:0	3	✓		✓					
PRACTICAL																					
7	PY304	Advance Electricity and Magnetism Lab	Practical	0	0	2	40	20	60	40	100	0:0:2	1	✓		✓					
8	MT304	Statistical Techniques Lab	Practical	0	0	2	40	20	60	40	100	0:0:2	1	✓		✓					
Total				16	6	8	320	160	480	320	800	24	24								

List of Elective Papers

Elective Papers from Dept. of Electronics:

Elective-1: Image Processing & Its Applications (EC327)

Elective-2: Mobile Communication (EC328)

Elective Papers from Dept. of Physics:

Elective-1: Mathematical Methods in Physics (PY307)

Elective-2: Advanced Solid State Physics (PY308)

Elective -3: C.V. Raman: Journey to Noble Prize

Elective Papers from Dept. of Mathematics:

Elective-1: Basic Mathematical Modeling (MT307)

Elective-2: Linear Programming (MT308)

L: Lecture, T: Tutorial, P: Practical, CT: Class Test, TA: Teacher Assessment, ESE: End Semester Examination