









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

**B.Sc. (Mathematics & Electronics)**

**Year: Third / Semester: Sixth (Even Semester)**






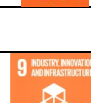


S. No.	Course Code	Course Title	Type of Paper	Periods Per Week			Evaluation Scheme				Subject Total	Credit	Total Credit	Attributes						SDG			
							CIE			UE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment and Sustainability	Human Values		Professional Ethics		
				L	T	P	CT	TA	CIE Total	ESE													
<b>THEORY</b>																							
1	EC325	Electronics Instrumentation & Transducers	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓							
2	EC327	Image Processing and Its Applications	Elective	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓							
	EC328	Mobile Communication																					
3	MT307	Basic Mathematical Modeling	Elective	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓							
	MT 308	Linear Programming																					
4	MT305	Statics & Dynamics	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓							
5	MT306	Analysis	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓		✓							
<b>PRACTICAL</b>																							
6	EC329	UG Electronics Project	Core	0	0	8	0	0	0	200	200	0:0:4	4	✓	✓	✓		✓		✓			
<b>Total</b>				<b>15</b>	<b>5</b>	<b>8</b>	<b>200</b>	<b>100</b>	<b>300</b>	<b>400</b>	<b>700</b>	<b>24</b>	<b>24</b>										



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

**B.Sc. (Physics & Electronics)**

**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										
<b>THEORY</b>																				
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	EC321	Network Circuit and Analysis	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓	✓	✓				
5	EC322	Consumer Electronics & Devices	Core	2	1	0	40	20	60	40	100	2:1:0	3	✓	✓	✓				
6	EC323	Microprocessor & Microcontroller	Core	3	1	0	40	20	60	40	100	3:1:0	4	✓	✓	✓				
<b>PRACTICAL</b>																				
7	PY304	Advance Electricity & Magnetism Lab	Practical	0	0	2	40	20	60	40	100	0:0:1	1	✓		✓				
8	EC324	Microprocessor & Microcontroller Lab	Practical	0	0	2	40	20	60	40	100	0:0:1	1	✓	✓	✓				
<b>Total</b>				<b>16</b>	<b>6</b>	<b>4</b>	<b>320</b>	<b>160</b>	<b>480</b>	<b>320</b>	<b>800</b>	<b>24</b>	<b>24</b>							



**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 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**