



Integral University, Lucknow
Department of Mathematics & Statistics

Evaluation Scheme of Under Graduate & Post Graduate Program as per NEP-2020 Guidelines
w.e.f. Session 2022-23

B.Sc. in PMC (Mathematics, Computer Science)

Year: Third / Semester: Fifth (Odd Semester)

S. N.	Course Code	Course Title	Theory / Practical	Course Type	Periods/ Per week			Continuous Assessment			End Semester Examination (ESE)	Subject Total	Total Credit Points	Attributes						United Nations Sustainable Development Goals (SDGs)			
					Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics		
1	B030501T/MT320	Group and Ring Theory & Linear Algebra	Theory	Core Major (Compulsory)	4	1	0	15	10	25	75	100	05	✓		✓							
2	(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	Theory	Major(Elective)	4	1	0	15	10	25	75	100	05	✓		✓							
3	B070501T/CS365	Analysis of Algorithms and Data Structures	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	✓		✓							
4	B070502T/CS366	Soft Computing	Theory		3	1	0	15	10	25	75	100	04	✓		✓							
4	B070503P/CS367	Lab on Algorithms and Data Structures with C++	Practical		0	0	4	15	10	25	75	100	02	✓		✓							
6	Z050501	Analytic Ability and Digital Awareness	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	✓	✓	
7	B030503R/MT333	Mathematics Project-1	Practical	Core Major	0	0	6	0	0	0	100	100	03	✓		✓		✓			✓		
TOTAL					16	4	10	90	60	150	550	700	25										



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B.Sc. in PMC (Mathematics, Physics)

Year: Third / Semester: Sixth (Even Semester)

S. N.	Course Code	Course Title	Theory / Practical	Course Type	Periods/ Per week			Continuous Assessment			End Semester Examination (ESE)	Subject Total	Total Credit Points	Attributes						United Nations Sustainable Development Goals (SDGs)				
					Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total				Employability	Entrepreneurship	Skill Development	Gender Equality	environment & Sustainability	Human Value		Professional Ethics			
1	B030601T/MT324	Metric Space & Complex Analysis	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	✓		✓								
2	B030602T/MT325	Numerical Analysis & Operations Research	Theory		3	1	0	15	10	25	75	100	04	✓		✓								
3	B010601T/PY314	Solid State & Nuclear Physics	Theory		3	1	0	15	10	25	75	100	04	✓										
4	B010602T/PY315	Analog & Digital Principles & Applications	Theory		3	1	0	15	10	25	75	100	04	✓										
5	B030603P/MT326	Practical on Numerical analysis using Mathematica /MATLAB	Practical		0	0	4	15	10	25	75	100	02	✓			✓							
6	B010603P/PY316	Analog & Digital Circuits	Practical		0	0	4	15	10	25	75	100	02	✓										
7	Z060601	Communication Skills and Personality Development	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓				
8	B030604R/MT334	Mathematics Project-2	Practical	Core Major	0	0	6	0	0	0	100	100	03	✓			✓				✓			
TOTAL					14	4	14	105	70	175	625	800	25											



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Year: Third / Semester: Sixth (Even Semester)

S. N.	Course Code	Course Title	Theory / Practical	Course Type	Periods/ Per week			Continuous Assessment			End Semester Examination (ESE)	Subject Total	Total Credit Points	Attributes						United Nations Sustainable Development Goals (SDGs)				
					Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics			
1	B030601T/MT324	Metric Space & Complex Analysis	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	✓		✓								
2	B030602T/MT325	Numerical Analysis & Operations Research	Theory		3	1	0	15	10	25	75	100	04	✓		✓								
3	B070601T/CS368	Data Communication and Computer Networks	Theory		3	1	0	15	10	25	75	100	04	✓		✓								
4	B070602T/CS369	Cyber Security & Cyber Laws	Theory		3	1	0	15	10	25	75	100	04	✓		✓								
5	B030603P/MT326	Practical on Numerical analysis using Mathematica /MATLAB	Practical		0	0	4	15	10	25	75	100	02	✓		✓								
6	B070603P/CS370	Lab on Computer Networks	Practical		0	0	4	15	10	25	75	100	02	✓		✓								
7	Z060601	Communication Skills and Personality Development	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓			✓	✓				
8	B030604R/MT334	Mathematics Project-II	Practical	Core Major	0	0	6	0	0	0	100	100	03	✓		✓			✓					
TOTAL					14	4	14	105	70	175	625	800	25											



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B.Sc. in PMC (Physics, Computer Science)

Year: Third / Semester: Sixth (Even Semester)

S. N.	Course Code	Course Title	Theory / Practical	Course Type	Periods/ Per week			Continuous Assessment			End Semester Examination (ESE)	Subject Total	Total Credit Points	Attributes							United Nations Sustainable Development Goals (SDGs)			
					Lecture (L)	Tutorial (T)	Practical (P)	Class Test (CT)	Teacher Assessment (TA)	Total				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics				
1	B010601T/PY314	Solid State & Nuclear Physics	Theory		3	1	0	15	10	25	75	100	04	✓										
2	B010602T/PY315	Analog & Digital Principles & Applications	Theory		3	1	0	15	10	25	75	100	04	✓										
3	B070601T/CS368	Data Communication and Computer Networks	Theory		3	1	0	15	10	25	75	100	04	✓		✓								
4	B070602T/CS369	Cyber Security & Cyber Laws	Theory		3	1	0	15	10	25	75	100	04	✓		✓								
5	B070603P/CS370	Lab on Computer Networks	Practical		0	0	4	15	10	25	75	100	02	✓		✓								
6	B010603P/PY316	Analog & Digital Circuits	Practical		0	0	4	15	10	25	75	100	02	✓										
7	Z060601T	Communication Skills and Personality Development	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓			✓	✓				
8	B010604R/CS382	Physics/Computer Project-II	Practical	Core Major	0	0	6	0	0	0	100	100	03	✓		✓			✓					
TOTAL					14	4	14	105	70	175	625	800	25											