Integral University, Lucknow
Department of Mathematics & Statistics
Curriculum Structure of UG & PG Program with Mathematics, Physics & Computer Science as per NEP 2020

		Subject I (Mathematics)	Subject II (Physics)	Subject III (Computer Science)	Subject IV	Vocational	Co-curricular**	Industrial training Survey/ Research project	Total credit of the year	Cumulative minimum credits (Required for the award of certificates/ diploma/degree)
		Major	**Major**	**Major**	**Minor Elective**	**Minor**	**Minor**	**Major**		
		4/5/6 Credits	**4/5/6 Credits**	**4/5/6 Credits**	**4/5/6 Credits**	**3 Credits**	**2**	**4 Credits**		
Year	**Sem.**	**Own Faculty**	**Own Faculty**	**Any Faculty**	**Other Faculty**	**Vocational/ Skill development course**	**Co-curricular** (Qualifying)	**Inter/Intra Faculty related to main subject**		
1	**I**	B030101T/**MT136** Differential Calculus & Integral Calculus (T-4)	B010101T/ **PY113** Mathematical Physics & Newtonian Mechanics**(T-4)**	B070101T/**CS127** Problem Solving using Computer (T-4)		I030103V/**MT143** Introduction to LaTeX (V-3)	(Z010101T/BE 105) Food Nutrition and Hygiene (T-2)		**50 (36+4+6 +4)**	**46 Certificate in Science (Mathematics, Physics, Computer Science)**
		B030102P/ **MT137** Practical using Mathematica /MATLAB (P-2)	B010102P/**PY114** Mechanical Properties of Matter **(P-2)**	B070102P/**CS128** Software Lab using Python (P-2)						
	II	B030201T/**MT138** Matrices and Differential Equations & Geometry (T-6)	B010201T/**PY115** Thermal Physics & Semiconductor Devices **(T-4)**	B070201T/**CS129** Database Management Systems (T-4)	B150101T/ES125 /BM186 Basics of Environmental Sciences / Fundamentals of Management (T-4)	I030202V/**MT144** LaTeX - Scientific Writing (V-3)	(Z020201T/NS 110) First Aid and Health (T-2)			
			B010202P/**PY116** Thermal Properties of Matter & Electronic Circuits**(P-2)**	B070202P/**CS130** Database Management Systems Lab(P-2)						
2	**III**	B030301T/**MT228** Algebra & Mathematical Methods (T-6)	B010301T/**PY207** Electromagnetic Theory & Modern Optics **(T-4)**	B070301T/**CS273** Operating Systems (T-4)		I030302V/**MT234** Introduction to R (V-3)	(Z030301) Human values and Environment Studies (T-2)		**50 (36+4+6 +4)**	**92 Diploma in Science (Mathematics, Physics, Computer Science)**
			B010302P/**PY208** Demonstrative Aspects of Electricity & Magnetism **(P-2)**	B070302P/**CS274** Operating Systems Lab (P-2)						
	IV	B030401T/ **MT229** Differential Equation & Mechanics (T-6)	B010401T/**PY209** Perspectives of Modern Physics & Basic Electronics **(T-4)**	B070401T/**CS275** Computer System Architecture (T-4)	LN104/ ME231 Essential Professional Communication / Basic Manufacturing Process (T-4)	I030402V/**MT235** Introduction to SPPSS (V-3)	(Z040401) Physical Education and Yoga (T-2)			
			B010402P/**PY210** Basic Electronics Instrumentation **(P-2)**	B070402P/**CS276** Computer System Architecture Lab (P-2)						
3	**V**	B030501T/**MT320** Group and Ring Theory & Linear Algebra (T-5)	B010501T/**PY311** Classical & Statistical Mechanics (T-4)	B070501T/**CS365** Analysis of Algorithms and Data Structures (T-4)			(Z050501) Analytic Ability and Digital Awareness (T-2)	B030505R/**MT 333** Mathematics Project-1 **(R-3)**	**50 (40+4+6)**	**138 Bachelor of Science (Mathematics & Physics with Computer Science)**
		B030502T/ **MT321** Number Theory & Game Theory/ B030503T/ **MT322** Graph Theory & Discrete Mathematics/ B030504T/ **MT323** Differential Geometry & Tensor Analysis (T-5)	B010502T/**PY312** Quantum Mechanics & Spectroscopy (T-4)	B070502T/**CS366** Soft Computing (T-4)						

			B010503P/**PY313** Demonstrative Aspects of Optics & Lasers (P-2)	B070503P/**CS367** Lab on Algorithms and Data Structures with C++ (P-2)						
	VI	B030601T/ **MT324** Metric Space & Complex Analysis (T-4)	B010601T/**PY314** Solid State & Nuclear Physics (T-4)	B070601T/**CS368** Data Communication and Computer Networks (T-4)			(Z060601) Communication Skills and Personality Development (T-2)	B030604R/ **MT334** Mathematics Project-2 **(R-3)**		
		B030602T/ **MT325** Numerical Analysis & Operations Research (T-4)	B010602T/**PY315** Analog & Digital Principles & Applications (T-4)	B070602T/**CS369** Cyber Security & Cyber Laws (T-4)						
		B030603P/ **MT326** Practical on Numerical Analysis using Mathematica /MATLAB (P-2)	B010603P/**PY316** Analog & Digital Circuits (P-2)	B070603P/**CS370** Lab on Computer Networks (P-2)						
4	**VII**	B030701T/**MT434** Real & Complex Analysis (T-5)						B030705R/ **MT443** Mathematics Research Project-1 **(R-6)**	**26 (20+6)**	**194** **Bachelor (Research) in Mathematics**
		B030702T/ **MT435** Advanced Modern Algebra (T-5)								
		B030703T/ **MT436** Ordinary & Partial Differential Equations (T-5)								
		B030704T/ **MT437** Discrete Structures (T-5)								
	VIII	B030801T/ **MT438** Advanced Differential Geometry (T-4)			CA453 Fundamentals of Computer and C Programming (T-4)			B030806R/ **MT444** Mathematics Research Project-2 **(R-6)**	**30 (20+4+6)**	
		B030802T/ **MT439** Optimization & Statistical Techniques (T-4)								
		(B030803T/ **MT440**) Numerical Analysis with Application (T-4)								
		(B030804T/ **MT441**) Advanced Linear Algebra (T-4)								
		(B030805P/ **MT442**) Advanced Numerical Analysis Lab (P-4)								
5	**IX**	B030901T/ **MT538** Geometry of Manifolds (T-5)						B030905R/ **MT546** Mathematics Research Project-3 **(R-6)**	**26 (20+6)**	**246** **Master of Science in Mathematics**
		B030902T/ **MT539** Integral Equations with boundary value problem (T-5)								
		B030903T/ **MT540** Fluid Dynamics with Application (T-5)								
		B030904T/ **MT541** Special Function (T-5)								
	X	B031001T/ **MT542** Mechanics with Application (T-5)						B031005R/ **MT547** Mathematics Research Project-4 **(R-6)**	**26 (20+6))**	
		B031002T/ **MT543** Functional Analysis and variational inequality (T-5)								

		B031003T/ **MT544** Calculus of Variations with Application (T-5)								
		B031004T/ **MT545** Advanced Topology (T-5)								

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

Certificate in Science (Mathematics, Physics, Computer Science) **Year: First / Semester: First (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	B030101T/MT136	Differential Calculus & Integral Calculus	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	✓		✓					
2	B010101T/PY113	Mathematical Physics & Newtonian Mechanics	Theory		3	1	0	15	10	25	75	100	04	✓							
3	B070101T/CS127	Problem Solving using Computer	Theory		3	1	0	15	10	25	75	100	04	✓		✓					
4	B030102P/MT137	Practical using Mathematica /MATLAB	Practical		0	0	4	15	10	25	75	100	02	✓		✓					
5	B010102P/PY114	Mechanical Properties of Matter	Practical		0	0	4	15	10	25	75	100	02	✓		✓					
6	B070102P/CS128	Software Lab using Python	Practical		0	0	4	15	10	25	75	100	02	✓		✓					
7	I030103V/MT143	Introduction to LaTeX	Theory+ Practical	Vocational	2	0	2	-	-	-	100	100	03	✓		✓					
8	Z010101T	Food Nutrition and Hygiene	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	
				TOTAL	**13**	**3**	**14**	**105**	**70**	**175**	**625**	**800**	**23**								

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

Certificate in Science (Mathematics, Physics, Computer Science) **Year: First / Semester: Second (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	B030201T/MT138	Matrices and Differential Equations & Geometry	Theory	Core Major (Compulsory)	4	2	0	15	10	25	75	100	06	✓		✓					9
2	B010201T/PY115	Thermal Physics & Semiconductor Devices	Theory		3	1	0	15	10	25	75	100	04	✓							11
3	B070201T/CS129	Database Management Systems	Theory		3	1	0	15	10	25	75	100	04	✓		✓					4, 8, 9
4	B010202P/PY116	Thermal Properties of Matter & Electronic Circuits	Practical		0	0	4	15	10	25	75	100	02	✓							11
5	B070202P/CS130	Database Management Systems Lab	Practical		0	0	4	15	10	25	75	100	02	✓		✓					4, 8, 9
6	B150101T/EVS125	Basics of Environmental Sciences	Theory	Minor	3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	✓	4, 11, 9
7	I030202V/MT144	LaTeX – Scientific Writing	Theory+ Practical	Vocational	2	0	2	-	-	-	100	100	03	✓		✓					9
8	Z020201	First Aid and Health	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	3
				TOTAL	**17**	**5**	**10**	**105**	**70**	**175**	**625**	**800**	**27**								

Integral University, Lucknow
Department of Mathematics & Statistics
Evaluation Scheme of Under Graduate & Post Graduate Program as per NEP-2020 Guidelines
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Diploma in Science (Mathematics, Physics, Computer Science) **Year: Second / Semester: Third (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	B030301T/MT228	Algebra & Mathematical Methods	Theory	Core Major (Compulsory)	4	2	0	15	10	25	75	100	06	✓		✓					
2	B010301T/PY207	Electromagnetic Theory & Modern Optics	Theory		3	1	0	15	10	25	75	100	04	✓							
3	B070301T/CS273	Operating Systems	Theory		3	1	0	15	10	25	75	100	04	✓		✓					
4	B010302P/PY208	Demonstrative Aspects of Electricity & Magnetism	Practical		0	0	4	15	10	25	75	100	02	✓		✓					
5	B070302P/CS274	Operating Systems Lab	Practical		0	0	4	15	10	25	75	100	02	✓		✓					
6	I030302V/MT234	Introduction to R	Theory+ Practical	Vocational	2	0	2	-	-	-	100	100	03	✓		✓					
7	Z030301	Human values and Environment Studies	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	
TOTAL					**14**	**4**	**10**	**90**	**60**	**150**	**550**	**700**	**23**								

Integral University, Lucknow
Department of Mathematics & Statistics
Evaluation Scheme of Under Graduate & Post Graduate Program as per NEP-2020 Guidelines
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Diploma in Science (Mathematics, Physics, Computer Science) **Year: Second / Semester: Fourth (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	B030401T/MT229	Differential Equation & Mechanics	Theory	Core Major (Compulsory)	4	2	0	15	10	25	75	100	06	✓		✓					
2	B010401T/PY209	Perspectives of Modern Physics & Basic Electronics	Theory		3	1	0	15	10	25	75	100	04	✓							
3	B070401T/CS275	Computer System Architecture	Theory		3	1	0	15	10	25	75	100	04	✓		✓					
4	B010402P/PY210	Basic Electronics Instrumentation	Practical		0	0	4	15	10	25	75	100	02	✓		✓					
5	B070402P/CS276	Computer System Architecture Lab	Practical		0	0	4	15	10	25	75	100	02	✓		✓					
6	LN104T/ME231	Essential Professional Communication / Basic Manufacturing Process	Theory	Minor elective	3	1	0	15	10	25	75	100	04	✓	✓	✓			✓	✓	
7	I030402V/MT235	Introduction to SPPSS	Theory+ Practical	Vocational	2	0	2	-	-	-	100	100	03	✓		✓					
8	Z040401	Physical Education and Yoga	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	
TOTAL					**17**	**5**	**10**	**105**	**70**	**175**	**625**	**800**	**27**								

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, Physics) **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	B010501T/PY311	Classical & Statistical Mechanics	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	✓							
4	B010502T/PY312	Quantum Mechanics & Spectroscopy	Theory		3	1	0	15	10	25	75	100	04	✓							
5	B010503P/PY313	Demonstrative Aspects of Optics & Lasers	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-I	Practical	Core Major	0	0	6	0	0	0	100	100	03	✓		✓		✓		✓	
TOTAL					**16**	**4**	**10**	**90**	**60**	**150**	**550**	**700**	**25**								

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**								

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 (Physics, 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	B010501T/PY311	Classical & Statistical Mechanics	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	✓							
2	B010502T/PY312	Quantum Mechanics & Spectroscopy	Theory		3	1	0	15	10	25	75	100	04	✓							
3	B070501T/CS365	Analysis of Algorithms and Data Structures	Theory		3	1	0	15	10	25	75	100	04	✓		✓					
4	B070502T/CS366	Soft Computing	Theory		3	1	0	15	10	25	75	100	04	✓		✓					
5	B010503P/PY313	Demonstrative Aspects of Optics & Lasers	Practical		0	0	4	15	10	25	75	100	02	✓		✓					
6	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	B010504R/CS381	Physics/Computer Project-I	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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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, 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**								

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: 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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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 (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**								