

Year: First/ Semester: First (Odd Semester)

S. N.	Course Code	Course Title	Theory / Practical	Course Type	Periods/ Per week			Continuous Assessment			End Semester Examination	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	
THEORIES																					
1	B030101T/MT136	Differential Calculus & Integral Calculus	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	✓		✓					
2	B060101T/MT139	Descriptive Statistics (Univariate) & Theory of Probability	Theory	Core Major (Elective)	3	1	0	15	10	25	75	100	04	✓		✓					
	B070101T/CS127	Problem Solving using Computer												✓		✓					
	B010101T/ PY113	Mathematical Physics & Newtonian Mechanics												✓		✓					
	B020101T/CH151	Fundamentals of Chemistry-I												✓		✓					
3	I030103V/MT143	Introduction to LaTeX OR MOOCs/SWAYAM etc.	Theory+ Practical	Vocational	2	0	2	-	-	-	100	100	03	✓		✓					
4	Z010101T/BE105	Food Nutrition and Hygiene	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓		
5	A050101T/HE101	Rashtra Gaurav	Theory	Non Credit/Audit	2	0	0	-	-	-	-	100	00						✓		
PRACTICAL																					

6	B030102P/MT137	Practical using Mathematica /MATLAB	Practical	Core Major (Compulsory)	0	0	4	15	10	25	75	100	02	✓		✓						
7	B060102P/ MT140	Descriptive Data Analysis Lab (Univariate)	Practical	Core Major (Elective)	0	0	4	15	10	25	75	100	02	✓		✓						
	B070102P/CS128	Software Lab using Python (P-2)												✓		✓						
	B010202P/PY116	Thermal Properties of Matter & Electronic Circuits												✓		✓						
	B020102P/CH134	Quantitative Analysis												✓		✓						
TOTAL					12	2	10	75	50	125	475	700	17									



Department of Mathematics & Statistics

Evaluation Scheme of Undergraduate & Post Graduate Program as per NEP-2020 Guidelines B.Sc. (Hons.) Mathematics Four Year program with Double Majors (Statistics/ Computer Science /Physics/Chemistry) w.e.f. Session 2024-25

Year: First/ Semester: Second (Even Semester)

Certificate in Science (Mathematics & Statistics OR Mathematics & Computer Science OR Mathematics & Physics OR Mathematics & Chemistry)

S. N.	Course Code	Course Title	Theory / Practical	Course Type	Periods/ Per week			Continuous Assessment			End Semester Examination	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	
THEORIES																					
1	B030201T/MT138	Matrices and Differential Equations & Geometry	Theory	Core Major (Compulsory)	4	2	0	15	10	25	75	100	06	✓		✓					
2	B060201T/ MT141	Descriptive Statistics (Bivariate) & Probability Distributions	Theory	Core Major (Elective)	4	2	0	15	10	25	75	100	04	✓		✓					
	B070201T/CS129	Database Management Systems												✓		✓					
	B010201T/PY115	Thermal Physics & Semiconductor Devices												✓		✓					
	B020201T/CH139	Bioorganic and Materials Chemistry												✓		✓					
3	ES115/BM186	Fundamentals of Environmental Science	Theory	Core Minor (Elective)	4	2	0	15	10	25	75	100	06	✓		✓					
	A040209T/LN109	Basics of Communication																			
4	I030202V/MT144	LaTeX – Scientific Writing OR MOOCs/SWAYAM etc.	Theory+ Practical	Vocational	2	0	2	-	-	-	100	100	03	✓		✓					
5	Z020201T/NS110	First Aid and Health	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	✓	

6	<u>B060203T/MT153</u>	Application of Artificial Intelligence in Mathematical Sciences	Theory	Non Credit/Audit	2	0	0	-	-	-	-	100	00	✓	✓	✓				✓		
PRACTICAL																						
7	B060202P/ MT142	Descriptive Data Analysis Lab (Bivariate)	Practical	Core Major (Elective)	0	0	4	15	10	25	75	100	02	✓		✓						
	B070202P/CS130	Database Management Systems Lab												✓	✓	✓				✓		
	B010202P/PY116	Thermal Properties of Matter & Electronic Circuits												✓	✓	✓				✓		
	B020202P/CH141	Biochemical Analysis												✓	✓	✓				✓		
TOTAL					18	6	6	75	50	125	475	700	23									