














**Program Structure of B.Sc. Honours in Mathematics/B.Sc. Honours with Research in Mathematics+ 1 OR 2 Year PG
(With Effect From: 2024 – 25)**

Certificate in Mathematics
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	
THEORIES																					
1	B030101T/MT136	Differential Calculus & Integral Calculus	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	✓		✓					
2	B030103T/MT158	Trigonometry and Set Theory	Theory		4	2	0	15	10	25	75	100	06	✓		✓				✓	
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/HM101	RashtraGaurav	Theory	Non Credit/Audit	2	0	0	-	-	-	-	100	00						✓		
PRACTICAL																					
6	B030102P/MT137	Practical using Mathematica/ MATLAB	Practical	Core Major	0	0	4	15	10	25	75	100	02	✓		✓					
TOTAL					13	3	6	60	40	100	400	600	17								

**Program Structure of B.Sc. Honours in Mathematics/B.Sc. Honours with Research in Mathematics+ 1 OR 2 Year PG
(With Effect From: 2024 – 25)**

Certificate in Mathematics
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	
THEORIES																				
1	B030201T/MT138	Matrices and Differential Equations & Geometry	Theory	Core Major (Compulsory)	4	2	0	15	10	25	75	100	06	✓	✓					
2	B030202T/MT159	Vector Analysis and Vector Calculus	Theory		4	2	0	15	10	25	75	100	06	✓	✓					
3	(a) B070201T/CS129 (b) B060201T/MT141 (c) B010201T/PY115	(a) Database Management Systems (b) Descriptive Statistics & Probability Distributions (Bivariate) (c) Thermal Physics and Semiconductor Device	Theory	Minor elective	3	1	0	15	10	25	75	100	04	✓	✓	✓		✓	✓	  
4	I030202V/MT144	Latex/Scientific writing Or MOOCs-SWAYAM etc	Theory+Practical	Vocational	2	-	2	-	-	-	100	100	03	✓	✓					
5	Z020201/NS110	First Aid and Health	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	✓	✓		✓	✓	
6	B060203T/MT153	Application of Artificial intelligence in Mathematical Sciences	Theory	Non Credit/Audit	2	0	0	-	-	-	-	100	00	✓	✓	✓				
PRACTICAL																				
7	(a) B070202P/CS130 (b) B060202P/MT142 (c) B010202P/PY116	(a) Database Management Systems Lab	Practical	Minor elective	0	0	4	15	10	25	75	100	02	✓	✓					
8		(b) Descriptive Data Analysis Lab (Bivariate)																		
9		(c) Thermal Properties of Matter and Electronic Circuits																		
TOTAL					17	5	6	75	50	125	475	700	23							