P.E.Society's

Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16

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Department Of Mathematics

M.Sc. (Mathematics): Part - I

Structure of the Course

Semester - I		Semester - II		
Subject Code	Subject Name	Subject Code	Subject Name	Credits
22-MTUT-111	Linear Algebra	**22**-MTUT-121	Complex Analysis	4
22-MTUT-112	Real Analysis	**22**-MTUT-122	General Topology	4
22-MTUT-113	Group Theory	**22**-MTUT-123	Ring Theory	4
22-MTUT-114	Advance Calculus	**22**-MTUT-124	Advance Numerical Analysis	4
22-MTUT-115	Ordinary Differential Equations	**22**-MTUT-125	Partial Differential Equations	4

M.Sc. (Mathematics): Part – II

Semester - III		Semester - IV		
Subject Code	Subject Name	Subject Code	Subject Name	Credits
Compulsory Courses		Compulsory Courses		
23-MTUT-131	Functional Analysis	23-MTUT-141	Fourier Series and Boundary Value Problems	4
23-MTUT-132	Field Theory	23-MTUT-142	Differential Geometry	4
23-MTUT-133	Programming with Python	23-MTUT-143	Introduction to Data Science	2 + 2 = 4
O = Optional Courses (Any Two)		O = Optional Courses (Any Two)		
23-MTUTO-134	Discrete Mathematics	23-MTUTO-144	Number Theory	4
23-MTUTO-135	Mechanics	23-MTUTO-145	Algebraic Topology	4

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Department Of Mathematics

M.Sc. (Mathematics): Part - II

Structure of the Course

23-MTUTO-136	Advanced Complex Analysis	23-MTUTO-146	Representation Theory of Finite Groups	4
23-MTUTO-137	Integral Equations	23-MTUTO-147	Coding Theory	4
23-MTUTO-138	Differential Manifolds	23-MTUTO-148	Probability and Statistics	4
23-MTUTO-139	Student can choose one course from Swayam / NPTEL/ E-Pathshala etc, if interested	23-MTUTO-149	Student can choose one course from Swayam / NPTEL/ E-Pathshala etc, if interested	4