



CARMEL COLLEGE OF ARTS, SCIENCE AND COMMERCE FOR WOMEN

Nuvem, Salcete, Goa.

DEPARTMENT OF MATHEMATICS

Sem I

Paper Type	Paper Code	Paper Name
Major	MAT-100	Foundational Mathematics
Minor	MAT-111	Elementary Mathematics
Minor	MAT-112	Elementary Statistics
MC	MAT-131	Mathematical Techniques in Competitive Exams
SEC	MAT-141	Numerical Analysis using Python/SageMath
SEC (<i>Offered to Commerce Students</i>)	COM-142	Business Mathematics I
VAC	VAC-122	Vedic Mathematics

Sem II

Paper Type	Paper Code	Paper Name
Major	MAT-100	Foundational Mathematics
Minor	MAT-111	Elementary Mathematics
Minor	MAT-112	Elementary Statistics
MC	MAT-132	Descriptive Statistics
SEC	MAT-142	Statistical Methods Using R/SPSS/PSPP
SEC (<i>Offered to Commerce Students</i>)	COM-147	Business Mathematics II
VAC	VAC-122	Vedic Mathematics

Sem III

Paper Type	Paper Code	Paper Name
Major	MAT-200	Calculus of One Variable
Major	MAT-201	Ordinary Differential Equations
Minor	MAT-211	Matrix Algebra
Minor	MAT-212	Enumerative Combinatorics
Minor (<i>Offered to Commerce Students</i>)	COM-213	Business Statistics I
MC	MAT-231	Basic Financial Mathematics
SEC	MAT-241	Technical Typesetting using LaTeX

Sem IV

Paper Type	Paper Code	Paper Name
Major	MAT-202	Analysis
Major	MAT-203	Linear Algebra
Major	MAT-204	Basic Number Theory
Major	MAT-205	Analytical 2D Geometry
Minor	MAT-221	Probability Theory VET
Minor	MAT-222	Theory of Equations
Minor	MAT-223	Graph Theory
Minor (<i>Offered to Commerce Students</i>)	COM-223	Business Statistics II (VET)

Sem V

Paper Type	Paper Code	Paper Name
Major	MAT-300	Reimann Integration and Improper Integrals
Major	MAT-301	Group Theory I
Major	MAT-302	Metric Spaces
Major	MAT-303	Analytical 3D Geometry
Minor	MAT-321	Linear Programming Problems VET
Minor	MAT-322	Applied Statistics
Minor	MAT-323	Bio Mathematics

Sem VI

Paper Type	Paper Code	Paper Name
Major	MAT-304	Group Theory II
Major	MAT-305	Complex Analysis
Major	MAT-306	Vector Calculus
Major	MAT-307	Project
Minor	MAT-324	Operations Research VET
Minor	MAT-325	Econometrics
Minor	MAT-326	Mathematical Demography