

MATHEMATICS TABLE OF COURSES:

	DC-I	DC-II (MATHEMATICS)	DCII(OPERATIONAL RESEARCH)	APPLIED COURSES
Semester I	1- Calculus-I 2- Algebra-I			
Semester II	3- Analysis-I (Real Analysis) 4- Differential Equations-I			
Semester III	5- Analysis II (Real Functions) 6- Numerical methods	Calculus	Introduction to Operational Research & Linear Programming	C++ Programming Language
Semester IV	7- Calculus- II (Multivariate Calculus) 8- Probability and Statistics	Linear Algebra	Inventory and Production Management	Mathematical Finance
Semester V	9- Algebra-II (Group theory-1) 10- Analysis III (Riemann Integration and Series of Functions) 11- Diff. Equations-II (P.D.E & System of ODE)	Differential Equations and Mathematical Modelling	Integer Programming and Theory of Games	Cryptography and Network Security
Semester VI	12- Algebra III- (Ring Theory & Linear Algebra) 13- Analysis-IV (Metric Spaces) 14- Calculus of Variations & Linear Programming)	Numerical Methods	Network Models and Project Scheduling	Discrete Mathematics.
Semester VII	15- Algebra IV (Group Theory-II) 16- Diff. Equations –III 17- Research	Real Analysis	Queing and Reliability Theory	
Semester VIII	18- Analysis –V (Complex Analysis) 19- Algebra-V (Ring Theory and Linear Algebra-II) 20- Research (Dissertation)	Abstract Algebra	Optimization Techniques	