

BHARATHIAR UNIVERSITY, COIMBATORE.
M. Sc MATHEMATICS DEGREE COURSE WITH COMPULSORY DIPLOMA IN
MATHEMATICAL SOFTWARE (AFFILIATED COLLEGES)
(Effective from the academic Year 2008-2009)
SCHEME OF EXAMINATIONS – CBCS PATTERN

Sem.	Study Components	Course title	Ins. hrs/ week	Examinations				Credit
				Dur.Hrs	CIA	Marks	Total Marks	
I	Paper 1	Algebra	6	3	25	75	100	5
	Paper 2	Real Analysis	6	3	25	75	100	5
	Paper 3	Ordinary Differential Equations	6	3	25	75	100	4
	Paper 4	Numerical Methods	6	3	25	75	100	4
	Elect.Dip. Paper I	Latex	6	3	25	75	100	3
II	Paper 5	Complex Analysis	5	3	25	75	100	5
	Paper 6	Partial Differential Equations	5	3	25	75	100	5
	Paper 7	Mechanics	5	3	25	75	100	4
	Paper 8	Operations Research	5	3	25	75	100	4
	Practical 1	Computer practical	5	3	40	60	100	3
	Elect.Dip. Paper II	Matlab	5	3	25	75	100	3
III	Paper 9	Topology	6	3	25	75	100	5
	Paper 10	Fluid Dynamics	6	3	25	75	100	5
	Paper 11	Mathematical Statistics	6	3	25	75	100	4
	Paper 12	Elective I	6	3	25	75	100	4
	Elect.Dip. Paper III	Mathematica	6	3	25	75	100	3
IV	Paper 13	Functional Analysis	5	3	25	75	100	5
	Paper 14	Mathematical Methods	5	3	25	75	100	4
	Paper 15	Computer Programming	5	3	25	75	100	4
	Practical 2	C++ Practical	5	3	40	60	100	3
	Paper 16	Elective II	5	3	25	75	100	5
	Elect.Dip. Paper IV	Practical	5	3	40	60	100	3
Total							2200	90

LIST OF ELECTIVES

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|-------------------------|-------------------------------------|
| 1.Number Theory | 6.Fuzzy Logic and Fuzzy Sets |
| 2.Graph Theory | 7.Cryptography |
| 3.Magnetohydro Dynamics | 8.Neural Networks |
| 4.Control Theory | 9.Stochastic Differential Equations |
| 5.Differential Geometry | |

Note: The syllabi for the above papers be the same as prescribed for the academic year 2007-08