COURSE STRUCTURE AND SYLLABUS APPROVED IN THE BOARD OF STUDIES MEETING HELD ON TO BE EFFECTIVE FROM THE ACADEMIC YEAR 2000-2001.

M.C.A. Ist Year

MCA – I Semester

Subject	L	P	C	Scheme of Evaluation Max. Marks Int.	Ext.	Total.	Min. Marks To pass Ext.	Total
MC 1.1 Discrete Structures	4	-	8	40	60	100	24	50
MC 1.2 Computer Organization	4	-	8	40	60	100	24	50
MC 1.3 C-Programming	4	-	8	40	60	100	24	50
MC 1.4 Probability and Statistics	4	-	8	40	60	100	24	50
MC 1.5 Accounting and financial Management	4	-	8	40	60	100	24	50
Practicals								
MC 1.6 Programming in C Lab	-	4	4	40	60	100	24	50
MC 1.7 Windows & 8086 Assembly Language Lab	-	4	4	40	60	100	24	50

M.C.A. Ist Year

MCA – II Semester

Subject	L	P	C	Scheme of Evaluation Max. Marks Int.	Ext.	Total.	Min. Marks To pass Ext.	Total
MC 2.1 Object Oriented Programming Through C++	4	-	8	40	60	100	24	50
MC 2.2 Data Structures	4	-	8	40	60	100	24	50
MC 2.3 Business Data Processing	4	-	8	40	60	100	24	50
MC 2.4 Operating Systems	4	-	8	40	60	100	24	50
MC 2.5 Organization Structure and Personal Management	4	-	8	40	60	100	24	50
MC 2.6 Data Structures lab Through C++	-	4	4	40	60	100	24	50
MC 2.7 Cobol Lab	-	4	4	40	60	100	24	50

M.C.A. I Ind Year

MCA – III Semester

Subject	L	P	C	Scheme of Evaluation Max. Marks Int.	Ext.	Total.	Min. Marks To pass Ext.	Total
MC 3.1 Database Management Systems	4	-	8	40	60	100	24	50
MC 3.2 Computer Communication Networks	4	-	8	40	60	100	24	50
MC 3.3 Advanced Unix Programming	4	-	8	40	60	100	24	50
MC 3.4 Management Information Systems	4	-	8	40	60	100	24	50
MC 3.5 Operational Research	4	-	8	40	60	100	24	50
MC 3.6 Database Management Systems Lab	-	4	4	40	60	100	24	50
MC 3.7 Unix Lab	-	4	4	40	60	100	24	50

M.C.A. IIst Year

MCA – IV Semester

Subject	L	P	C	Scheme of Evaluation Max. Marks Int.	Ext.	Total.	Min. Marks To pass Ext.	Total
MC 4.1 Software Engineering	4	-	8	40	60	100	24	50
MC 4.2 Programming in Java	4	-	8	40	60	100	24	50
MC 4.3 Design and Analysis of Algorithms	4	-	8	40	60	100	24	50
MC 4.4 Elective-I MC 4.4.1 Artificial Intelligence and Neural Networks MC 4.4.2 Distributed Operating System	4	-	8	40	60	100	24	50
MC 4.5 Elective-II MC 4.5.1 Distributed Data bases MC 4.5.2 Computer Graphics	4	-	8	40	60	100	24	50
Practicals								
MC 4.6 Java Lab	-	4	4	40	60	100	24	50
MC 4.7 Network Programming lab	-	4	4	40	60	100	24	50

M.C.A. III Year

MCA – V Semester

Subject	L	P	C	Scheme of Evaluation Max. Marks Int.	Ext.	Total.	Min. Marks To pass Ext.	Total
MC 5.1 Simulation and Modelling	4	-	8	40	60	100	24	50
MC 5.2 Advanced Java for Web Technologies	4	-	8	40	60	100	24	50
MC 5.3 Object oriented Analysis And design using UML	4	-	8	40	60	100	24	50
MC 5.4 Elective-III MC 5.4.1 Multimedia Information System MC 5.4.2 Virtual Programming Techniques	4	-	8	40	60	100	24	50
MC 5.5 Elective-IV MC 5.5.1 Software Project Management MC 5.5.2 Software Testing Methodologies	4	-	8	40	60	100	24	50
Practicals MC 5.6 Advanced java & Web Tech. lab	-	4	4	40	60	100	24	50
MC 5.7 UML lab	-	4	4	40	60	100	24	50

MCA – VI Semester

Subject	Scheme of Evaluation Max. Marks Int.	Ext.	Total.	Min. Marks To pass Ext.	Total
MC 6.1 Seminar	50	-	50	25	50
MC 6.2 Dissertation/Thesis Excellent/good/satisfactory/Not-Satisfactory					