

SCHEMES OF EXAMINATION FOR MCA 6 Yrs (BCA I yr) PROGRAMME
MCA (6Yrs.) SEMESTER - I

Code	Subject	L	T	P	C
IC-101	Mathematics – I	3	1	0	4
IC-102	Physics – I	3	1	0	4
IC-103	Fundamentals of programming using C	3	1	0	4
IC-104	English & Communication Skills	3	1	0	4
IC-105	Computer Fundamentals	3	1	0	4
IC-106	C Programming Lab	0	0	4	2
IC-107	Fundamental of computer Lab	0	0	4	2
	Comprehensive Viva	0	0	0	4
					28

MCA (6Yrs.) SEMESTER - II

Code	Subject	L	T	P	C
IC-201	Mathematics – II	3	1	0	4
IC-202	Chemistry & Environmental Science	3	1	0	4
IC-203	Basic Electronics	3	1	0	4
IC-204	Object Oriented Programming Using C++	3	1	0	4
IC-205	French	3	1	0	4
IC-206	Basic Electronics Lab	0	0	4	2
IC-207	Object Oriented Programming Lab	0	0	4	2
	Comprehensive Viva	0	0	0	4
					28

MCA (6Yrs.) SEMESTER - III

Code	Subject	L	T	P	C
IC-301	Probability and Statistics	3	1	0	4
IC-302	Financial Accounting	3	1	0	4
IC-303	Digital Electronics	3	1	0	4
IC-304	Data Structure and Algorithms	3	1	0	4
IC-305	Digital Computer Organization	3	1	0	4
IC-306	Digital Electronics Lab	0	0	4	2
IC-307	Data Structure and Algorithms Lab using C++	0	0	4	2
	Comprehensive Viva	0	0	0	4
					28

MCA (6Yrs.) SEMESTER - IV

Code	Subject	L	T	P	C
IC-401	Data & Computer Communication	3	1	0	4
IC-402	Discrete Mathematics	3	1	0	4
IC-404	Microprocessor and Assembly Language Programming	3	1	0	4
IC-405	Data Base Management Systems	3	1	0	4
IC-406	Mini Project				4
IC-407	Data Base Management System Lab	0	0	4	2
IC-408	Microprocessor Assembly Language Programming Lab	0	0	4	2
	Comprehensive Viva	0	0	0	4
					28

MCA (6Yrs.) SEMESTER - V

Code	Subject	L	T	P	C
IC-501	Internet and Web Programming	3	1	0	4
IC-502	System Programming	3	1	0	4
IC-503	JAVA Programming	3	1	0	4
IC-504	Computer oriented Numerical Methods	3	1	0	4
IC-505	Organization Behavior	3	1	0	4
IC-506	Internet and Web Programming Lab	0	0	4	2
IC-507	JAVA Programming Lab	0	0	4	2
	Comprehensive Viva	0	0	0	4
					28

MCA (6Yrs.) SEMESTER - VI

Code	Subject	L	T	P	C
IC-601	Computer Graphics	3	1	0	4
IC-602	Human Computer Interface	3	1	0	4
IC-603	Unix And Shell Programming	3	1	0	4
IC-604	System Analysis & Design	3	1	0	4
IC-605	Project				4
IC-606	Unix And Shell Programming Lab	0	0	4	2
IC-607	Computer Graphics Lab	0	0	4	2
	Comprehensive Viva	0	0	0	4
					28

MCA (6Yrs.) SEMESTER - VII

Code	Subject	L	T	P	C
IC-701	Design & Analysis of Algorithms	3	1	0	4
IC-702	Computer Architecture	3	1	0	4
IC-703	Advance Java	3	1	0	4
IC-704	Operating System	3	1	0	4
IC-705	Analog Electronics	3	1	0	4
IC-706	Advance Java Lab	0	0	4	2
IC-707	Design & Analysis of Algorithm Lab	0	0	4	2
	Comprehensive Viva				4
					28

MCA (6Yrs.) SEMESTER - VIII

Code	Subject	L	T	P	C
IC-801	Computer Networks	3	1	0	4
IC-802	Theory of Computation	3	1	0	4
IC-803	Advance Database Management Systems	3	1	0	4
IC-804	Software Engineering	3	1	0	4
IC-805	Optimization Techniques	3	1	0	4
IC-806	Computer Network Lab	0	0	4	2
IC-807	Advance Database Lab	0	0	4	2
	Comprehensive Viva				4
					28

MCA (6Yrs.) SEMESTER – IX

Code	Subject	L	T	P	C
IC-901	Object Oriented Analysis and Design	3	1	0	4
IC-902	Compiler Design	3	1	0	4
IC-903	Network and Information Security	3	1	0	4
IC-904	Artificial Intelligence	3	1	0	4
IC-905	Bioinformatics	3	1	0	4
IC-906	Project				4
IC-907	Artificial Intelligence Lab	0	0	4	2
	Comprehensive Viva				4
					30

MCA (6Yrs.) SEMESTER – X

Code	Subject	L	T	P	C
IC-1001	Data Mining and Warehousing	3	1	0	4
IC-1002	Parallel Processing and Distributed Computing	3	1	0	4
IC-1003	Enterprise computing Technique	3	1	0	4
IC-1004	Managerial Economics	3	1	0	4
IC-1005	Elective I	3	1	0	4
IC-1006	Enterprises Computing Technique Lab	0	0	4	2
	Comprehensive Viva				4
					26

Elective I

Multimedia Computing
 Software Testing & Quality Assurance
 Principal of Programming Language

MCA (6Yrs.) SEMESTER - XI

Code	Subject	L	T	P	C
IC-1101	Wireless and Mobile Computing	3	1	0	4
IC-1102	Enterprise Resources Planning	3	1	0	4
IC-1104	Elective II	3	1	0	4
IC-1105	Research Methodology & Practices	3	1	4	6
IC-1106	Wireless and Mobile Computing Lab	0	0	4	2
	Comprehensive Viva				4
					24

Elective II

Cloud Computing
 Design Patterns
 Image Processing

MCA (6Yrs.) SEMESTER -XII

Code	Subject	L	T	P	C
IC-1201	Project				24