

NEW SCHEME FOR MASTER OF COMPUTER APPLICATIONS (M.C.A.) COURSE
SEMESTER - I (MCA) Applicable From Aug 08 onwards

SR. NO.	SUBJECT NO.	NAME OF THE SUBJECT	TEACHING SCHEME			EXAMINATION SCHEME						TOTAL	
			THEORY Hr	TUTO Hr.	PRACT. Hr.	SESSIONAL M. Hr.	THEORY M. Hr.	PRACT M H	T.W. MARKS				
1.	MCA111	FUNDAMENTALS OF PROGRAMMING	4	-	3	25	2	50	3	50	3	25	150
2.	MCA112	DISCRETE MATHEMATICS FOR COMPUTER SCIENCE	3	1	-	25	2	50	3	-	-	25	100
3.	MCA113	FUNDAMENTAL OF COMPUTER ORGANISATION	4	-	3	25	2	50	3	50	3	25	150
4.	MCA114	DATABASE MANAGEMENT SYSTEMS -I	4	-	3	25	2	50	3	50	3	25	150
5.	MCA115	ENTERPRISE RESOURCES& FINANCIAL MANAGEMENT	4	-	-	25	2	50	3	-	-	25	100
6.	MCA116	SOFTWARE LAB	-	-	3	25	2	-	-	50	3	25	100
TOTAL			19	1	12	150	-	250	-	200	-	150	750

NEW SCHEME FOR MASTER OF COMPUTER APPLICATIONS (M.C.A.) COURSE
SEMESTER - II (MCA) Applicable From Jan 09 onwards

SR. NO.	SUBJECT NO.	NAME OF THE SUBJECT	TEACHING SCHEME			EXAMINATION SCHEME						TOTAL	
			THEORY Hr	TUTO Hr.	PRACT. Hr.	SESSIONAL M. Hr.	THEORY M. Hr.	PRACT M H	T.W. MARKS				
1.	MCA121	DATA STRUCTURES	4	-	3	25	2	50	3	50	3	25	150
2.	MCA122	OBJECT ORIENTED CONCEPTS OF PROGRAMMING	4	-	3	25	2	50	3	50	3	25	150
3.	MCA123	COMPUTER ORIENTED NUMERICAL METHODS	4	-	3	25	2	50	3	50	3	25	150
4.	MCA124	DATABASE MANAGEMENT SYSTEMS -II	2	-	3	25	2	50	3	50	3	25	150
5.	MCA125	MANAGEMENT INFORMATION SYSTEM	3	1	-	25	2	50	3	-	-	25	100
6.	MCA126	THEORY OF COMPUTATION	3	1	-	25	2	50	3	-	-	25	100
TOTAL			20	2	12	150	-	300	-	200	-	150	800

NEW SCHEME FOR MASTER OF COMPUTER APPLICATIONS (M.C.A.) COURSE
SEMESTER - III (MCA) Applicable From August 09 onwards

SR. NO.	SUBJECT NO.	NAME OF THE SUBJECT	TEACHING SCHEME			EXAMINATION SCHEME						TOTAL ORALMARKS	
			THEORY Hr	TUTO Hr.	PRACT. Hr.	SESSIONAL M. Hr.	THEORY M. Hr.	PRACT M H	T.W. MARKS				
1.	MCA211	CLIENT SERVER ARCHITECTURE & INTERFACES	4	-	3	25	2	50	3	50	3	25	150
2.	MCA212	JAVA PROGRAMMING	3	-	3	25	2	50	3	50	3	25	150
3.	MCA213	COMPUTER ORIENTED STATISTICAL METHODS	3	1	-	25	2	50	3	-	-	25	100
4.	MCA214	SYSTEM SOFTWARE	4	-	3	25	2	50	3	50	3	25	150
5.	MCA215	OPERATING SYSTEMS	4	-	3	25	2	50	3	50	3	25	150
6.	MCA216	TECHNICAL WRITING AND COMMUNICATION SKILLS	2	1	-	25	2	50	2	-	-	25	100
TOTAL			20	2	12	150	-	300	--	200	-	150	800

NEW SCHEME FOR MASTER OF COMPUTER APPLICATIONS (M.C.A.) COURSE
SEMESTER - IV (MCA) Applicable From Jan 10 onwards

SR. NO.	SUBJECT NO.	NAME OF THE SUBJECT	TEACHING SCHEME				EXAMINATION SCHEME				T.W.	TOTAL MARKS	
			THEORY Hr	TUTO Hr.	PRACTICAL Hr.	SESSIONAL M. Hr.	THEORY M. Hr	PRACT M. Hr					
1	MCA221	SOFTWARE CONSTRUCTION	3	1	-	25	2	50	3	-	-	25	100
2.	MCA222	COMPUTER BASED OPTIMIZATION MODELS	4	-	-	25	2	50	3	-	-	25	100
3.	MCA223	FUNDAMENTALS OF NETWORKING	4	-	3	25	2	50	3	50	3	25	150
4.	MCA224	STRUCTURED & OBJECT ORIENTED ANALYSIS DESIGN AND MODELLING	3	1	-	25	2	50	3	--	-	25	100
5.	MCA225	DISTRIBUTED APPLICATION DEVELOPMENT	3	-	3	25	2	50	3	50	3	25	150
6.	MCA226	ELECTIVE -I	4	-	3	25	2	50	3	50	3	25	150
TOTAL			21	2	9	150	-	300	-	150		150	750

ELECTIVE COURSES :

Elective – I

1. Artificial Intelligence
2. Compiler Construction
3. Parallel Processing
4. Computer Graphics
5. Software Project Management
6. Data Warehousing & Data Mining

NEW SCHEME FOR MASTER OF COMPUTER APPLICATIONS (M.C.A.) COURSE
SEMESTER - V (MCA) Applicable From Aug 10 onwards

SR. NO.	SUBJECT NO.	NAME OF THE SUBJECT	TEACHING SCHEME				EXAMINATION SCHEME				T.W.	TOTAL MARKS	
			THEORY Hr	TUTO Hr.	PRACTICAL Hr.	SESSIONAL M. Hr.	THEORY M. H.	PRACT M. Hr					
1.	MCA311	ADVANCED NETWORKING & NETWORK ADMINISTRATION	4	-	3	25	2	50	3	50	3	25	150
2.	MCA312	WEB TECHNOLOGIES & APPLICATIONS	4	-	3	25	2	50	3	50	3	25	150
3.	MCA313	SOFTWARE ENGINEERING	3	1	-	25	2	50	3	--	-	25	100
4.	MCA314	ELECTIVE -II	3	-	3	25	2	50	3	50	3	25	150
5.	MCA315	ELECTIVE-III	4	-	3	25	2	50	3	50	3	25	150
6.	MCA316	DISSERTATION	--	-	3	--	--	--	--	100	3	50	150
TOTAL			18	1	15	125	--	250	--	300		175	850

Elective – II

1. Soft Computing
2. Embedded Systems
3. Wireless Technologies (Mobile Computing)
4. Distributed Operating System
5. Multimedia
6. Windows Programming

Elective –III

1. Bioinformatics
2. Network Security
3. Distributed & Cluster Computing
4. Image Processing
5. ERP
6. Linux programming

NEW SCHEME FOR MASTER OF COMPUTER APPLICATIONS (M.C.A.) COURSE
SEMESTER - VI (MCA) Applicable From Jan 11 onwards

SR. NO.	SUBJECT NO.	NAME OF THE SUBJECT	TEACHING SCHEME			EXAMINATION SCHEME				T.W.	TOTAL MARKS		
			THEORY Hr	TUTO Hr.	PRACT. Hr.	SESSIONAL M. Hr.	THEORY M. Hr.	PRACT M. Hr.					
1.	MCA321	SYSTEM DEVELOPMENT PROJECT	--	--	30	--	--	--	--	400	-	400	800
TOTAL			--	--	30	--	--	--	--	400		400	800