



SCHEME OF EXAMINATION

Subject wise Distribution of Marks and Corresponding Credits

Program Name: MCA

Semester: I (Session 2023-25)

Course code	Course Name	L (Hrs)	T (Hrs)	P (Hrs)	Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)			Total Marks
						End term	Mid term	Class Performance	End term	Lab Performance	Internal Viva	
MCA – 101	Computer Oriented Mathematics	3	1	-	4	60	20	20	-	-	-	100
MCA – 102	Object Oriented Programming with Java	3	1	4	6	60	20	20	60	20	20	200
MCA – 103	Artificial Intelligence	3	1	2	5	60	20	20	60	20	20	200
MCA – 104	Computer Networks	3	-	2	4	60	20	20	60	20	20	200
MCA – 105	Data Structures and Applications	3	1	2	5	60	20	20	60	20	20	200
MCA – 106	Elective Subject	-	-	6	3	-	-	-	60	20	20	100
Total Credits					27	300	100	100	300	100	100	1000

Minimum pass Marks in a subject in end term theory: 60%
 Minimum pass Marks in a subject in end term Practical: 50%



SCHEME OF EXAMINATION

Subject wise Distribution of Marks and Corresponding Credits

Program Name: MCA

Semester: II (Session 2023-25)

Course code	Course Name	L (Hrs)	T (Hrs)	P (Hrs)	Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)			Total Marks
						End term	Mid term	Class Performance	End term	Lab Performance	Internal Viva	
MCA – 201	Database Management System	3	1	4	6	60	20	20	60	20	20	200
MCA – 202	Computer Graphics	3	1	2	5	60	20	20	60	20	20	200
MCA – 203	Design and Analysis Algorithm	3	1	2	5	60	20	20	60	20	20	200
MCA – 204	Software Engineering	3	1	-	4	60	20	20	-	-	-	100
MCA – 205	Specialization – I	3	1	2	5	60	20	20	60	20	20	200
MCA – 206	Minor Project – I	-	-	4	2	-	-	-	60	20	20	100
Total Credits					27	300	100	100	300	100	100	1000

Minimum pass Marks in a subject in end term theory: 60%

Minimum pass Marks in a subject in end term Practical: 50%



SCHEME OF EXAMINATION

Subject wise Distribution of Marks and Corresponding Credits

Program Name: MCA

Semester: III (Session 2023-25)

Course code	Course Name	L (Hrs)	T (Hrs)	P (Hrs)	Credit(s)	Maximum Marks (Theory Slot)			Maximum Marks(Practical Slot)			Total Marks
						End term	Mid term	Class Performance	End term	Lab Performance	Internal Viva	
MCA – 301	Data Warehousing and Mining	3	1	2	5	60	20	20	60	20	20	200
MCA – 302	Cloud Computing	3	1	-	4	60	20	20	-	-	-	100
MCA – 303	Web Technologies	3	1	2	5	60	20	20	60	20	20	200
MCA – 304	Specialization-II	3	1	2	5	60	20	20	60	20	20	200
MCA – 305	Specialization-III	3	1	2	5	60	20	20	60	20	20	200
MCA – 306	Minor Project –II	-	-	6	3	-	-	-	60	20	20	100
Total Credits					27	300	100	100	300	100	100	1000

Minimum pass Marks in a subject in end term theory: 60%

Minimum pass Marks in a subject in end term Practical: 50%



SCHEME OF EXAMINATION

Subject wise Distribution of Marks and Corresponding Credits

Program Name: MCA Semester: IV (Session 2023-25)

Course code	Course Name	L (Hrs)	T (Hrs)	P (Hrs)	Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)			Total Marks
						End term	Mid term	Class Performance	End term Practical	Seminar/ Presentation	Project Record/ Internal Viva	
MCA – 401	Major Project Dissertation / Industrial Training	-	-	-	20	-	-	-	200	100	200	500
Total Credits					20	-	-	-	200	100	200	500

MCA-106 ELECTIVE-I (P)
(A) PHP
(B) Programming with Python
(C) ANDROID based application development

MCA-304 SPECIALIZATION-II (T+P)
(A) Machine Learning
(B) Cyber Security Fundamentals and Cyber Audit Essentials

MCA-205 SPECIALIZATION-I (T+P)
(A) Data Science with Python
(B) Cryptography and Network Security

MCA-305 SPECIALIZATION-III (T+P)
(A) Data Analytics
(B) Digital Forensics and Analytics