



BRAINWARE UNIVERSITY
SCHOOL OF COMPUTATIONAL & APPLIED SCIENCES
DEPARTMENT OF COMPUTATIONAL SCIENCES
MASTER OF COMPUTER APPLICATIONS - 2024

SEMESTER – I

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits
						CIA	ESE		
1	MCA17101	Problem Solving using Python	4	0	4	40	60	100	6
2	MCA10102	Mathematical Foundation for Computer Science	3	1	0	40	60	100	4
3	MCA17103	Interactive Web Designing	1	0	4	40	60	100	3
4	MCA17104	Computer Organization and Architecture	3	0	4	40	60	100	5
5	MCA17105	Database Management System	3	0	4	40	60	100	5
6	MCA19106	Professional Communication Lab	0	0	2	40	60	100	1
TOTAL			14	1	18	240	360	600	24

SEMESTER – II

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits
						CIA	ESE		
1	MCA27107	Data Structure and Algorithm	3	0	3	40	60	100	4.5
2	MCA27108	Object Oriented Design Using Java	3	0	3	40	60	100	4.5
3	MCA20109	Operating System	3	0	0	40	60	100	3
4	MCA20110	Data Communication and Computer Network	4	0	0	40	60	100	4
5	MCA29111	PHP with Laravel	0	0	4	40	60	100	2
6	MCA20201	A. Numerical and Statistical Analysis B. Image Processing C. Formal Language and Automata Theory	4	0	0	40	60	100	4
7	MCA20301	A. Organizational Behaviour B. Cyber Security C. MOOCs	4	0	0	40	60	100	4
TOTAL			21	0	10	280	420	700	26



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SEMESTER – III

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits
						CIA	ESE		
1	MCA30112	Software Engineering Using UML	4	0	0	40	60	100	4
2	MCA30113	Artificial Intelligence	4	0	0	40	60	100	4
3	MCA30114	Cloud Computing	4	0	0	40	60	100	4
4	MCA30115	Data Science	4	0	0	40	60	100	4
5	MCA30202	A. Compiler Design B. Android Application Development C. Advance Web Development	4	0	0	40	60	100	4
6	MCA30203	A. Information Retrieval B. Data Warehousing and Data Mining C. Big Data Analytics	4	0	0	40	60	100	4
7	MCA30302	A. Software Project Management B. Cyber Law and Ethics C. MOOCs	4	0	0	40	60	100	4
Total			28	0	0	280	420	700	28

SEMESTER – IV

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits
						CIA	ESE		
1	MCA40116	Blockchain Technology	4	0	0	40	60	100	4
2	MCA48101	Compressive Viva-Voce	0	0	0	0	100	100	4
3	MCA48102	Project	0	0	0	40	60	100	16
TOTAL			4	0	0	80	220	300	24