

SANSKARAM UNIVERSITY, JHAJJAR

**EVALUATION SCHEME & SYLLABUS
FOR**

**MASTER OF COMPUTER APPLICATION
(MCA)
(Two Year Course)**

(Effective from the Session: 2024-25)

MCA (MASTER OF COMPUTER APPLICATION)
MASTER OF COMPUTER APPLICATION (MCA) 2024-25 Year 2024-25

SEMESTER-I

S.No	Subject Name	Periods			Marks Distribution			Credit
		L	T	P	Internal	External	Total	
1.	Fundamental of Computers & Emerging Technologies	3	0	0	40	60	100	3
2.	Problem Solving using C	3	1	0	40	60	100	4
3.	Principles of Management & Communication	3	0	0	40	60	100	3
4.	Discrete Mathematics	3	0	0	40	60	100	3
5.	Computer Organization & Architecture	3	1	0	40	60	100	4
6.	Problem Solving using C Lab	0	0	4	40	60	100	2
7.	Computer Organization & Architecture Lab	0	0	2	40	60	100	1
8.	Professional Communication Lab	0	0	4	40	60	100	2
9.	Web technology Lab	0	0	2	40	60	100	1
Total							900	

CT: Class Test TA: Teacher Assessment

L/T/P: Lecture/ Tutorial/ Practical

SEMESTER-II

S.No	Subject Name	Periods			Marks Distribution			Credit
		L	T	P	Internal	External	Total	
1.	Theory of Automata & Formal Languages	3	0	0	40	60	100	3
2.	Object Oriented Programming	3	0	0	40	60	100	3
3.	Operating Systems	3	0	0	40	60	100	3
4.	Database Management Systems	3	0	0	40	60	100	3
5.	Computer networks	3	0	0	40	60	100	3
6.	Data Structures & Analysis of Algorithms	3	1	0	40	60	100	4
7.	Cyber Security*	2	0	0	40	60	100	0
8.	Object Oriented Programming Lab	0	0	2	40	60	100	1
9.	DBMS Lab	0	0	2	40	60	100	1
10.	Data Structures & Analysis of Algorithms Lab	0	0	2	40	60	100	1
11.	Computer networks lab	0	0	2	40	60	100	1
Total							900	23

MASTER OF COMPUTER APPLICATION (MCA)			Year 2024-25			
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* Qualifying Non-credit Course						

MCA SECOND YEAR, 2024-25

SEMESTER-III

S. No.		Subject Name	Periods			Marks Distribution			Credit
			L	T	P	Internal	External	Total	
1.		Artificial Intelligence	3	0	0	40	60	100	3
2.		Software Engineering	4	0	0	40	60	100	4
3.		Computer Based Optimization Techniques	3	1	0	40	60	100	4
4.		Elective – 1	3	0	0	40	60	100	3
5.		Elective – 2	3	1	0	40	60	100	3
6.		Artificial Intelligence Lab	0	0	2	40	60	100	1
7.		Software Engineering Lab	0	0	2	40	60	100	1
8.		Mini Project**	0	0	4	40	60	100	2
9.		Community Connect	0	0	4	40	60	100	2
		Total				800			23

CT: Class Test TA: Teacher Assessment L/T/P: Lecture/ Tutorial/ Practical

SEMESTER-IV

S. No.	Subject Code	Subject Name	Periods			Marks Distribution			Credit
			L	T	P	Internal	External	Total	
1.		Elective – 3	3	0	0	40	60	100	3
2.		Elective – 4	3	0	0	40	60	100	3
3.		Elective – 5	3	0	0	40	60	100	3
4.	KCA451	Project	-	-	-	200	300	500	14
		Total				800			23

CT: Class Test TA: Teacher Assessment L/T/P: Lecture/ Tutorial/ Practical

**** The Mini Project (6 weeks) conducted during summer break after II semester and will be assessed during III semester. The Course will be carried out at the Institute under the guidance of a Faculty Members.**