

## First Semester- Master of Computer Application

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments/Quiz	End Sem. Practical/Viva	Practical Record/Quiz/Assignment/Presentation	
1.	6IMCA101	Programming in C and data Structure	3	1	-	4	70	20	10	-	-	100
2.	6IMCA102	Statistical Mathematics	3	1	-	4	70	20	10	-	-	100
3.	6IMCA103	Operating System and Architecture	3	1	-	4	70	20	10	-	-	100
4.	6IMCA104	Information Technology	3	1	-	4	70	20	10	-	-	100
5.	6IMCA105	Communication Skills	3	1	-	4	70	20	10	-	-	100
6.	6IMCA106	C and DS Lab	-	-	8	8	-	-	-	120	80	200
7.	6IMCA107	Operating System Lab	-	-	2	2				30	20	50
		Total	15	5	10	30	350	100	50	150	100	750

**L: Lecture - T: Tutorial - P: Practical**

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			L	T	P		End Sem. Exam.	Tests (Two)	Assignments/Quiz	End Sem. Practical/Viva	Practical Record/Quiz/Assignment/Presentation	
1.	6IMCA201	DBMS	3	1	-	4	70	20	10	-	-	100
2.	6IMCA202	Computer Network	3	1	-	4	70	20	10	-	-	100
3.	6IMCA203	Software Engineering and UML	3	1	-	4	70	20	10	-	-	100
4.	6IMCA204	Algorithm Design	3	1	-	4	70	20	10	-	-	100
5.	6IMCA205	Object oriented Programming with JAVA	3	1	-	4	70	20	10	-	-	100
6.	6IMCA206	Java and OOPS Lab	-	-	8	8	-	-	-	120	80	200
7.	6IMCA207	DBMS	-	-	2	2				30	20	50
		Total	15	5	10	30	350	100	50	150	100	750

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			L	T	P		End Sem. Exam.	Tests (Two)	Assignments/Quiz	End Sem. Practical/Viva	Practical Record/Quiz/Assignment/Presentation	
1.	6IMCA301	Data Mining	3	1	-	4	70	20	10	-	-	100
2.	6IMCA302	Artificial Intelligence	3	1	-	4	70	20	10	-	-	100
3.	6IMCA303	Elective – I	3	1	-	4	70	20	10	-	-	100
4.	6IMCA304	Elective-II	3	1	-	4	70	20	10	-	-	100
5.	6IMCA305	Elective-III	3	1	-	4	70	20	10	-	-	100
6.	6IMCA306	Minor Project	-	-	8	8	-	-	-	120	80	200
7.	6IMCA307	Elective -1 Lab	-	-	2	2				30	20	50
		Total	15	5	10	30	350	100	50	150	100	750

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Elective – I

1. Python
2. Web Technology
3. Introduction to data Science and big data

Elective-II

1. Machine Learning
2. Soft Computing
3. Internet of Things

Elective-III

1. Computer Ethics
2. Advanced Databases
3. Distributed Systems

## Fourth Semester- Master of Computer Application

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments/Quiz	End Sem. Practical/Viv a	Practical Record/Quiz/Assignment/Presentation	
1.	6IMCA401	Elective -IV	3	1	-	4	70	20	10	-	-	100
2.	6IMCA402	Elective-V	3	1	-	4	70	20	10	-	-	100
3.	6IMCA403	Elective-VI	3	1	-	4	70	20	10	-	-	100
3.	6IMCA403	Major Project	-	-	16	16	-	-	-	250	150	400
5.	6IMCA404	Lab of Elective-IV ,V and VI	-	-	2	2				30	20	50
		Total	9	3	18	30	210	60	30	280	170	750

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### **Elective – IV**

1. Advanced Python
2. Advanced Web Technology
3. Big data with Analytics

### **Elective-V**

1. Deep Learning
2. Cloud Computing Technologies
3. Digital marketing

### **Elective-VI**

1. Information Security
2. Block Chain and Cryptocurrency
3. Mobile Computing