



Degree :M.Sc COMPUTER SCIENCE

(For the students admitted from the Academic Year 2025 – 2026)

Scheme of Examination

Se mes ter	Part	Type	Course Code	Title of the Course	Hour s per week	Cre dits	Intern al Marks	Extern al Marks	Total Marks
I	III	Discipline Centric Core-1	25MCS301	Analysis & Design of Algorithms	5	4	25	75	100
	III	Discipline Centric Core-2	25MCS302	Object Oriented Analysis and Design & C++	5	4	25	75	100
	III	Discipline Centric Core-3	25MCS303	Python Programming	5	4	25	75	100
	III	Discipline Centric Core-4	25MCS304	Advanced Software Engineering	5	4	25	75	100
	III	Discipline Centric Laboratory-1	25MCS821	Algorithm and OOPS	5	4	40	60	100
	III	Discipline Centric Laboratory-2	25MCS822	Python Programming	5	4	40	60	100
Total					30	24			600
II	III	Discipline Centric Core-5	25MCS305	Data Mining and Warehousing	4	4	25	75	100
	III	Discipline Centric Core-6	25MCS306	Advanced Operating Systems	4	4	25	75	100
	III	Discipline Centric Core-7	25MCS307	Advanced Java Programming	4	4	25	75	100

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II	III	Discipline Centric Core-7	25MCS307	Advanced Java Programming	4	4	25	75	100
	III	Discipline Centric Core-8	25MCS308	Artificial Intelligence & Machine Learning	4	4	25	75	100
	III	Discipline Centric Elective -1	25MCS501/ 25MCS502/ 25MCS503/ 25MCS504	Multimedia and Its Applications / Embedded Systems / Internet of Things/Critical Thinking, Design Thinking and Problem Solving	4	4	25	75	100
	III	Discipline Centric Laboratory-3	25MCS823	Data Mining using R	5	4	40	60	100
	III	Discipline Centric Laboratory-4	25MCS824	Advanced Java Programming	5	4	40	60	100
Total					30	28			700
III	III	Discipline Centric Core-9	25MCS309	Digital Image Processing	4	4	25	75	100
	III	Discipline Centric Core- 10	25MCS310	Cloud Computing	4	4	25	75	100
	III	Discipline Centric Core- 11	25MCS311	Network Security and Cryptography	4	4	25	75	100
	III	Discipline Centric Core- 12	25MCS312	Data Science & Analytics	4	4	25	75	100
	III	Discipline Centric Elective -2	25MCS505 25MCS506/ 25MCS507/ 25MCS508	Mobile Computing/ Block Chain Technology/Web Services/Robotic Process Automation for Business	4	4	25	75	100

Semester	Part	Type	Course Code	Title of the Course	Hours per week	Credits	Internal Marks	External Marks	Total Marks
III	III	Discipline Centric Laboratory -5	25MCS825	Digital Image Processing using MATLAB	4	4	40	60	100
	III	Discipline Centric Laboratory-6	25MCS826	Cloud Computing	4	4	40	60	100
	III	Discipline Centric Laboratory-7	25MCS827	Web Application development & hosting	2	2	40	60	100
	III	Internship	25MCS871	Internship	-	-	-	-	Grade
Total					30	30			800
IV	III	Project	25MCS851	Project work and Viva-voce	-	8	50	150	200
Total						8			200
Grand Total						90			2300