

Teaching & Examination Scheme
Semester – I

Course: Master of Computer Applications (MCA) Sem: I						
Subject			Evaluation Scheme			Total Marks
Category	Name	Course Code	Credits	Theory		
				Internal	University	
Compulsory Subjects						
Core Major	Object Oriented Programming Concepts	ODL MCA101	4	30	70	100
	Object Oriented Programming Concepts Lab	ODL MCA101-P	2	15	35	50
Core Major	Database Technologies	ODL MCA102	4	30	70	100
	Database Technologies Lab	ODL MCA102-P	2	15	35	50
Core Major	Data Structure Concepts	ODL MCA103	4	30	70	100
	Data Structure Concepts Lab	ODL MCA103-P	2	15	35	50
Inter - disciplinary	Mathematical Foundation for Computer Applications	ODL MCA104	4	30	70	100
		Total	22	165	385	550

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Semester-II

Course: Master of Computer Applications (MCA) Sem: II						
Courses			Evaluation Scheme			Total Marks
Category	Name	Code	Credits	Theory		
				Internal	University	
Core Major	Advanced JAVA Programming	ODL MCA201	3	30	70	100
	Advanced JAVA Programming Lab	ODL MCA201-P	2	15	35	50
Core Major	Operating System Concepts and Shell Programming	ODL MCA202	3	30	70	100
	Operating System Concepts and Shell Programming Lab	ODL MCA202-P	2	15	35	50
Project Work	Industrial Training with Project	ODL MCA203	4	30	70	100
Discipline Specific Elective	Elective I		3	30	70	100
	Elective I Lab		2	15	35	50
Discipline Specific Elective	Elective II		3	30	70	100
		Total	22	195	455	650

Elective Courses

Category	Name	Code
Elective I	Data Warehousing and Data Mining	ODL MCA204
	Data Warehousing and Data Mining Lab	ODL MCA204-P
Elective I	Software Testing	ODL MCA205
	Software Testing Lab	ODL MCA205-P
Elective II	Advanced Networking Concepts	ODL MCA206
Elective II	Digital Image Processing	ODL MCA207



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Semester-III

Course: Master of Computer Applications (MCA) Sem: III						
Courses			Evaluation Scheme			Total Marks
Category	Name	Code	Credits	Theory		
				Internal	University	
Core Major	Software Project Management	ODL MCA301	4	30	70	100
Core Major	Machine Learning	ODL MCA302	4	30	70	100
	Machine Learning Lab	ODL MCA302-P	2	15	35	50
Core Major	Artificial Intelligence	ODL MCA303	4	30	70	100
	Artificial Intelligence Lab	ODL MCA303-P	2	15	35	50
Skill Enhancement Course	Elective III		2	15	35	50
Project Work	Minor Project	ODL MCA306	4	30	70	100
		Total	22	165	385	550

Elective Courses		
Category	Name	Code
Elective III	Internet of Things	ODL MCA304
	Cloud Computing	ODL MCA305

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Semester-IV

Course: Master of Computer Applications (MCA) Sem: IV						
Courses			Evaluation Scheme			Total Marks
Category	Name	Code	Credits	Theory		
				Internal	University	
Internship	Major Project	ODL MCA401	20	150	350	500
Ability Enhancement Course	MOOC: Organizational Behaviour and Professional Ethics	ODL MCA402	2	50	0	50
		Total	22	200	350	550

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