

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY, NANDYAL
AUTONOMOUS
MASTER OF COMPUTER APPLICATIONS
I YEAR MCA I-SEMESTER
COURSE STRUCTURE

Code	Subject	Theory	Practical	Credits	Scheme of Examination		
					Internal Marks	External Marks	Total Marks
F0001151	Probability and Statistics	3+1	-	4	40	60	100
F0002151	Technical Communication	3+1	-	4	40	60	100
F0003151	Accounting and Financial Management	3+1	-	4	40	60	100
F0004151	Computer Organization	3+1	-	4	40	60	100
F0005151	C-Programming	3+1	-	4	40	60	100
F0006151	C-Programming Lab	-	3	2	40	60	100
F0007151	Computer Organization Lab	-	3	2	40	60	100
F0008151	IT Workshop	-	3	2	40	60	100
Total		20	9	26	320	480	800

I YEAR MCA II-SEMESTER

Code	Subject	Theory	Practical	Credits	Scheme of Examination		
					Internal Marks	External Marks	Total Marks
F0009152	Organization Structure and Personnel Management	3+1	-	4	40	60	100
F0010152	Data Structure through C	3+1	-	4	40	60	100
F0011152	Mathematical Foundations of Computer Science	3+1	-	4	40	60	100
F0012152	Operating Systems	3+1	-	4	40	60	100
F0013152	UNIX and Shell Programming	3+1	-	4	40	60	100
F0014152	Data Structure through C Lab	-	3	2	40	60	100
F0015152	UNIX and Shell Programming Lab	-	3	2	40	60	100
F0016152	Operating Systems Lab	-	3	2	40	60	100
Total		20	9	26	320	480	800

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Code	Subject	Theory	Practical	Credits	Scheme of Examination		
					Internal Marks	External Marks	Total Marks
F0017153	Software Engineering	3+1	-	4	40	60	100
F0018153	Database Management Systems	3+1	-	4	40	60	100
F0019153	Computer Networks	3+1	-	4	40	60	100
F0020153	Object Oriented Programing Using C++	3+1	-	4	40	60	100
F0021153	Operations Research	3+1	-	4	40	60	100
F0022153	Object Oriented Programing Using C++ Lab	-	3	2	40	60	100
F0023153	Database Management Systems Lab	-	3	2	40	60	100
F0024153	Computer Networks Lab	-	3	2	40	60	100
Total		20	9	26	320	480	800

II YEAR MCA II-SEMESTER

Code	Subject	Theory	Practical	Credits	Scheme of Examination		
					Internal Marks	External Marks	Total Marks
F0025154	Object Oriented Programming Through Java	3+1	-	4	40	60	100
F0026154	Object Oriented Analysis and Design Using UML	3+1	-	4	40	60	100
F0027154	Software Testing Methodologies	3+1	-	4	40	60	100
	ELECTIVE-I						
F0028154	Human Computer Interaction	3+1	-	4	40	60	100
F0029154	Computer Graphics						
F0030154	Information Security						
	ELECTIVE-II						
F0031154	Distributed Systems	3+1	-	4	40	60	100
F0032154	Artificial Intelligence						
F0033154	Advanced Computer Architecture						
F0034154	Object Oriented Programming Through Java Lab	-	3	2	40	60	100
F0035154	Case Tools Lab	-	3	2	40	60	100
F0036154	Software Testing Methodologies Lab	-	3	2	40	60	100
Total		20	9	26	320	480	800

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III YEAR MCA I-SEMESTER
COURSE STRUCTURE**

Code	Subject	Theory	Practical	Credits	Scheme of Examination		
					Internal Marks	External Marks	Total Marks
F0037155	Web Technologies	3+1	-	4	40	60	100
F0038155	Data Warehousing and Data Mining	3+1	-	4	40	60	100
F0039155	Mobile Application Development	3+1	-	4	40	60	100
	ELECTIVE-III						
F0040155	E-Commerce	3+1	-	4	40	60	100
F0041155	Distributed Databases						
F0042155	Image Processing						
	ELECTIVE-IV						
F0043155	Software Project Management	3+1	-	4	40	60	100
F0044155	Middleware Technologies						
F0045155	Cloud Computing						
F0046155	Web Technologies Lab	-	3	2	40	60	100
F0047155	Mobile Application Development Lab	-	3	2	40	60	100
F0048155	Mini Project	-	3	2	40	60	100
F0049155	Comprehensive Viva	-		4		100	100
Total		20	9	30	320	580	900

III YEAR MCA II-SEMESTER

Code	Subject	Credits	Internal Marks	External Marks	Total
F0050156	Project work	12	-	-	-