



ADARSH MANAGEMENT INSTITUTE OF INDIA

Master of computer application

Course Name: MCA

Duration: 3 Years/6 Sem

Eligibility: Graduate

FIRST SEMESTER

Course Code	Subjects	Credits
MCA11	Mathematics	4
MCA12	Data Structure	4
MCA13	Programming In C	4
MCA14	Financial Accounting	4
MCA15 P	Practical-C programming	1
MCA16 P	Practical-Data Structure	1
	Total Credits	18

SECOND SEMESTER

Course Code	Subjects	Credits
MCA21	Discrete Mathematics	4
MCA22	Database Management System	4
MCA23	OOPS With C++	4
MCA24	Computer Organization And Architecture	4
MCA25 P	Practical-Database Management System	1
MCA26 P	Practical-OOPS C++	1
	Total Credits	18

THIRD SEMESTER

Course Code	Subjects	Credits
MCA31	Data Communication	4
MCA32	Advanced Computer Graphics	4
MCA33	Advanced Operating System	4
MCA34	Unix And Shell Programming	4
MCA35 P	Unix Practical	1
MCA36 P	Practical-Operating system	1
	Total Credits	18

FOURTH SEMESTER

Course Code	Subjects	Credits
MCA41	Advanced Software Engineering	4
MCA42	Analysis And Design of Algorithm	4
MCA43	Advanced Java Programming	4
MCA44	RDBMS	4
MCA45 P	Practical-RDBMS	1
MCA46 P	Practical-Advanced Java Programming	1
	Total Credits	18

FIFTH SEMESTER

Course Code	Subjects	Credits
MCA51	Advanced Computer Network And Security	4
MCA52	Internet Programming and Web Designing	4
MCA53	Data Warehousing And Data Mining	4
MCA54A	Compiler Design	4
MCA54B	Mobile Computing and Communication	4
MCA54C	Simulation and Modelling	4
MCA55 P	Advanced Computer Network and Security Lab	1

MCA56 P	Practical-Web Designing/Internet	1
	Total Credits	26

SIX SEMESTER

Course Code	Subjects	Credits
MCA61	Advanced MIS and E-commerce	4
MCA62A	Pattern Recognition	4
MCA62B	Operations Research	4
MCA62C	Advanced Computer Architecture	4
MCA63A	Client Server Architecture	4
MCA63B	Artificial Intelligence	4
MCA63C	Network Management	4
MCA64 P	Project	6
	Total Credits	34