

Scheme of Examinations
Master of Computer Applications (MCA)

Duration : Three Years

Scheme of Examinations

FIRST YEAR

First Semester

<u>Paper No.</u>	<u>Title of Paper</u>	<u>Max.Marks</u>	<u>Exam Duration</u>
MCA-01/M.Sc-01/APGDCA-01	Foundation Course in IT And MS-Office 2000	100	3 Hrs. each
MCA-02/M.Sc-02/APGDCA-02	Computer Networking & Multimedia	100	3Hrs. each
MCA-03/M.Sc-03/APGDCA-03	Programming in C and Data Structure	100	3Hrs. each
MCA-04/M.Sc.-04/APGDCA-04	Computer Organisation And Architecture	100	3Hrs. each
MCA-05/M.Sc-05/APGDCA-05	Practical-1 (Based on M.Sc-01 & 03)	100	4Hrs. each

Second Semester

MCA-06/M.Sc-06/APGDCA-06	Visual C++	100	3Hrs. each
MCA-07/M.Sc-07/APGDCA-07	Visual Basic & Oracle	100	3Hrs. each
MCA-08/M.Sc.-08/APGDCA-08	System Analysis & Design	100	3 Hrs each
MCA-09/M.Sc-09/APGDCA-09	Practical-II (Based on M.Sc.- 06 & 07)	100	4Hrs. each
MCA-10/M.Sc-10/APGDCA-10	Project Work, Report & Viva-Voce	100	4Hrs. each

(Based on any Language, Software Development Tool, etc.)

SECOND YEAR

Third Semester

<u>Paper No.</u>	<u>Title of paper</u>	<u>Max. Marks</u>	<u>Exam. Duration</u>
MCA-11/M.Sc-11	RDBMS	100	3 Hrs. each
MCA-12/M.Sc-12	Software Engineering	100	3 Hrs. each
MCA-13/M.Sc.-13	- Operating System and Unix	100	3 Hrs. each
	- Programming in C & Data Structure*	100	3 Hrs. each
MCA-14/M.Sc-14	- Internet, Web Programming & Java	100	3 Hrs. each
	- Computer Organisartion & Architecture*	100	3 Hrs. each
MCA-15/M.Sc-15	Practical-III	100	4 Hrs. each

(Based on M.Sc-11 & 13)
(Based on M.Sc-11 & 14)*

Fourth Semester

MCA-16/M.Sc-16	Artificial Intelligence	100	3 Hrs. each
MCA-17/M.Sc-17	- Computer Graphics	100	3 Hrs. each
	- System Analysis & Design	100	3 Hrs. each
MCA-18/M.Sc-18	- Object-oriented Analysis And Design	100	3 Hrs. each
	-Microprocessor and Assembly Language*	100	3 Hrs. each
MCA-19/M.Sc-19	Practical-IV	100	4 Hrs. each
	(Based on M.Sc.-17 & 18)		
	(Based on M.Sc.-16 & 18)		
MCA-20/M.Sc-20/	Project Report	100	4 Hrs. each

* These papers are applicable to those students who have done APGDIT course from M.D.University, Rohtak.

Note : Out of 100 marks for each paper, including Theory, Practicals & Project 25 marks are reserved for internal assessment with the following distribution

Assignments : 15 Marks
Test(s) : 10 Marks

THIRD YEAR

Fifth Semester

<u>Paper No.</u>	<u>Title of paper</u>	<u>Max. Marks</u>	<u>Exam. Duration</u>
MCA-21	Internet Programming using C#	100	3Hrs. each
MCA-22	Software Testing and Quality Assurance	100	3Hrs.each.
MCA-23	Windows Programming	100	3 Hrs.each
MCA-24	IT Management	100	3Hrs. each
MCA-25	Software Lab-Based on MCA-21 & MCA-23	100	4Hrs. each

