# Scheme of Examinations <br> Master of Computer Applications (MCA) 

Duration : Three Years
Scheme of Examinations
FIRST YEAR

(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 \& 100 | 3 Hrs. each |
|  | Design |  |
| 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 $\mathbf{2 5}$ marks are reserved for internal assessment with the following distribution

| Assignments | $:$ | 15 Marks |
| :--- | :--- | :--- |
| Test(s) | $:$ | 10 Marks |

THIRD YEAR
Fifth Semester

| Paper No. | Title of paper | Max. Marks | Exam. Duration |
| :--- | :--- | :--- | :--- |
| MCA-21 | Internet Programming <br> using C\# | $\mathbf{1 0 0}$ | 3Hrs. each |
| MCA-22 | Software Testing and <br> Quality Assurance | $\mathbf{1 0 0}$ | 3Hrs.each. |
| MCA-23 | Windows Programming | $\mathbf{1 0 0}$ | 3 Hrs.each |
| MCA-24 | IT Management | $\mathbf{1 0 0}$ | 3Hrs. each |
| MCA-25 | Software Lab-Based on <br> MCA-21 \& MCA-23 | $\mathbf{1 0 0}$ | 4Hrs. each |

## Sixth Semester

MCA-26
Major Project 200

Distribution of marks : Thesis/Project:
Viva-voce Examination 50

## Internal Assessment 25

Marks will be awarded on the basis of Viva-voce examination conducted by one examiner (External only)

Thesis/Project Report will be submitted in triplicate (Hard Bound) with proper certification by the supervisor concerned who may be a person with five years working experience and must have Master's degree in relevant field or a regular teacher working in Govt./Semi-Govt. Institution/University/Engineering College.

Students are advised to come prepared for presentation/demonstration of their Thesis/Project at the time of their final viva-voce examination.

Note : Out of $\mathbf{1 0 0}$ marks for each paper, including Theory, Practicals \& Project $\mathbf{2 5}$ marks are reserved for internal assessment with the following distribution:-

| Assignments | $:$ | 15 Marks |
| :--- | :--- | :--- |
| Test(s) | $:$ | 10 Marks |

