Roll No. ....

Subject Code—2069

M.C.A. (First Year) EXAMINATION

(5 Years Integratec Course)

COMPUTER FUNDAMENTALS

MCA-101

Time : 3 Hours   *Maximum Marks :* 100

Note : Attempt any *Five* questions.

1. Differentiate between the following :
   (a) Personal computer and multi-user computer
   (b) Hard copy and soft copy
   (c) Dot matrix printer and laser printer
   (d) RAM and ROM.

2. Write short notes on the following :
   (a) Binary representative of integers
   (b) Binary representative of floating poin. numbers.

(3-06–6-09)   P.T.O.

3. What is ASCII, EBCDIC, ISCII and UNICODE ? What is their importance ? Explain.

4. What is an operating system ? Discuss various function of an O.S. Why is multitasking useful ? Explain.

5. What is UNIX ? Discuss its main features. What are wild cards ? What are their advantages ? How are these used in UNIX ? Explain.

6. (a) What is the difference between the Net and the Web ?

   (b) What are the useful functions of a browser ?

7. What is a Network ? Why is it needed ? Explain LAN, WAN and MAN ? Explain the different ways of sending data across the Network with reference to switching techniques.

8. Write short notes on the following :

   (a) Protocols

   (b) ATM Networks

   (c) Real Time System

   (d) Distributed O.S.