M.C.M. (Part—I) Semester—I Examination
COMPUTER FUNDAMENTAL AND OPERATING SYSTEM
Paper—1 MCM 1

Time : Three Hours]   [Maximum Marks : 80

N.B. :— (1) Attempt **ALL** questions.

       (2) Figures to the right indicates marks.

1. (a) Explain functional unit of computer with the help of block diagram.   8

    (b) What do you mean by output device ? Explain any two types of printers.   8

OR

    (c) Discuss important features of various generation of computer. Give some examples of each generation.   10

    (d) Explain types of memory.   6

2. (a) Explain the following number system in short :

      (i) Binary

      (ii) Octal

      (iii) Decimal

      (iv) Hexadecimal.   8

(b) Explain classification of software with suitable examples. 8

OR

(c) Explain any two types of operating system in detail. 8

(d) Convert the following as directed :

(i) $127_{(10)}$ into Binary

(ii) $777_{(8)}$ into Decimal

(iii) $100110_{(2)}$ into Decimal

(iv) $100100001000_{(2)}$ into Hexadecimal. 8

3. (a) Explain the following in short :

(i) My Computer

(ii) Network Neighborhood. 6

(b) What is MS-DOS ? Write down any five DOS internal commands. 10

OR

(c) Explain Control Panel in detail. 8

(d) Explain the following commands :

(i) Backup

(ii) Restore

(iii) Tree

(iv) Diskcopy. 8

4. (a) Explain characteristics of UNIX Operating System. 4

(b) Explain three modes of Vi editors in UNIX. 8

(c) Explain the following :

(i) $++y$

(ii) mv. 4

OR

(d) Explain any five basic commands in UNIX. 10

(e) Explain different types of files in UNIX Operating System. 6

5. (a) Explain features of LINUX Operating System. 6

(b) Explain if statement in shell programming. 4

(c) Explain KDE in detail. 6

OR

(d) Explain the following terms :

(i) Mail

(ii) Write

(iii) News. 6

(e) Give the while statement in shell programming. 6

(f) Explain Gnome Panel and Gnome applets. 4