

M.C.M.- I (CBCS Pattern) Semester - I  
**PCMCMT102 - Paper-II : Information & Communication Technology**

P. Pages : 2

Time : Three Hours



**GUG/S/23/10755**

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagrams wherever necessary.
  3. Avoid vague answers and write answers relevant and specific to questions only.

**Either:**

1. a) What is Computer? Explain the functions of each unit in the block diagram of computer. 8
- b) What is Output Device? Explain Dot matrix and Laser printer. 8

**OR**

- c) Write a note on: 8
  - i) Light Pen.
  - ii) Touch screen.
- d) Explain Primary memory in detail. 8

**Either:**

2. a) What is Software? Explain types of software. 8
- b) Convert the following. 8
  - i)  $(EBC)_{16} = (?)_{10}$
  - ii)  $(1011011)_2 = (?)_8$
  - iii)  $(775566)_8 = (?)_{16}$
  - iv)  $(3009)_{10} = (?)_8$

**OR**

- c) Explain binary, octal and hexadecimal number system with suitable example. 8
- d) Explain advantages and disadvantages of machine language and assembly language. 8

**Either:**

3. a) List and explain the elements of windows. 8
- b) Write a note on. 8
  - i) Disk fragmentation.
  - ii) Notepad

**OR**

- c) What are functions of windows explorer? Explain. 8
- d) Write a note on. 8
  - i) Paint
  - ii) Disk clean - up

**Either:**

- 4. a) What is Network? Why Network is needed? Explain. 8
- b) Difference between Internet & Intranet. 8

**OR**

- c) Explain star topology in detail. 8
- d) Describe E - mail & search engine. 8

**5.** Attempt all the questions.

- a) Explain the functions of Digital Camera. 4
- b) Write a note on Hexadecimal number system. 4
- c) Write short note on OSI model. 4
- d) Explain communication device in Network. 4

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