

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

P. Pages : 2

Time : Three Hours



**GUG/W/24/10755**

Max. Marks : 80

- 
- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagram and use supporting data wherever necessary.
  3. Avoid vague answers and write specific answers related to questions.

**Either**

1. a) Explain the block diagram of a computer and describe the functioning of each component. **8**
- b) Identify and explain the working of primary and secondary memory. **8**

**OR**

- c) Explain following: **8**
  - i) Light Pen
  - ii) Touch Screen
- d) Explain output devices in detail. **8**

**Either**

2. a) Differentiate between system software and application software with example. **8**
- b) Convert the following **8**
  - i)  $(111100)_2 = (?)_{10}$
  - ii)  $(250)_{10} = (?)_2$

**OR**

- c) Convert the following: **8**
  - i)  $(25)_{10} = (?)_2$
  - ii)  $(101011)_2 = (?)_{16}$
- d) Explain the features of ASCII and BCD code with it's conversion in detail. **8**

**Either :**

3. a) Describe the main feature of the windows operating system. **8**
- b) What is the role of control panel in windows? **8**

**OR**

- c) Explain the working of following: **8**
  - i) Recycle Bin
  - ii) My Documents
- d) What do you understand from Disk Management? Explain Disk Cleanup in detail. **8**

**Either:**

4. a) What is network topology? Discuss the advantages and limitations of the star topologies. 8
- b) Explain the OSI model and the functions of its layers in detail with diagram. 8

**OR**

- c) Define the terms LAN, WAN and MAN and compare their characteristics. 8
- d) Explain the following: 8
- i) Free ware ii) Share ware
5. Attempt all the questions
- a) Write short note on voice Recognition. 4
- b) Discuss in brief about Assembly language. 4
- c) Write about notepad window accessories. 4
- d) Give short note on search engine. 4

\*\*\*\*\*