1MCM2 - Paper-II: Information and Communication Technology

P. Pages : 2 **GUG/W/16/3028**

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Time : Three Hours Max. Marks : 80

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram wherever necessary.

1. Either

a) Explain functioning of computer? Support your answer with neat & proper diagram? **8**

b) Explain computer memory and its types? **8**

OR

c) Explain Dot Matrix and INKJET printer? **8**

d) Explain OCR, OMR, MICR & Barcode Reader. **8**

2. Either

a) Explain Binary, Octal and Hexadecimal number system with example. **8**

b) What is High Level language, explain with the example? **8**

OR

c) Explain Hardware and Software concept in details? **8**

d) Explain the following terms. **8**

i) Assembly Language.

ii) ASCII Codes

iii) EBCDIC

iv) BCD

3. Either

a) What is notepad? Explain the method to open, write notes and save document through notepad. **8**

b) Explain the steps of Disk Defragmentation? **8**

OR

c) Explain features of window? What do you mean by Graphical user Interface? **8**

d) Explain following terms. **8**

     i) Taskbar

     ii) Desktop

     iii) Control panel

     iv) Recycle Bin

4. Either

a) Explain Topologies? Explain types of topology? **8**

b) Explain OSI model? Draw diagram of OSI model. **8**

OR

c) Write Advantage and limitations of topology. **8**

d) Define Network? Explain need for network? **8**

5. Attempt all the questions.

a) Give the difference between RAM and ROM **4**

b) Convert following. **4**

     i) $(10110)_2 = (?)_{10}$

     ii) $(110010)_2 = (?)_{10}$

c) Write a short note on window explorer. **4**

d) Explain open source software in brief. **4**

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