0208 - Paper-V : Information & Communication Technology-I

P. Pages : 2

Time : Three Hours

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 answer and write specific points/answer related to questions.

Either.

1. a) What is computer system? Explain classification of computer in brief. **8**

b) What do you mean by Generation of computer? Explain the features of second and third Generation of computer. **8**

OR

c) What are the basic components of computer system? Explain block diagram representation of computer. **8**

d) What do you mean by data representation? Solve $(11111)_2 = (?)_{10}$. **8**

Either.

2. a) What is memory? Explain primary & secondary memory. **8**

b) Explain any two input devices. **8**

OR

c) Explain the following term:
   i) OMR.   ii) Light Pen. **8**

d) Explain laser and Inkjet Printer. **8**

Either.

3. a) What is Network? Explain the different types of networks with suitable example. **8**

b) What is Internet? What are different services provided by Internet? What are disadvantages of Internet? **8**

OR

c) Explain network topology with suitable example. **8**

d) What is search engine? What is the difference between Youtube & Facebook. **8**

Either.

4. a) What is an open source software? Explain difference between freeware & shareware software. **8**

b) Distinguish between active software maintenance & passive maintenance. **8**

OR

c) What do you mean by the team faults? How faults can be diagnosed & what are different tools used for diagnosing different faults? **8**

d) Discuss FLOSS, GNU, FSF, OSI. explain it? **8**

5. All questions are compulsory.

a) Solve the following. **4**
   i) $(110101)_2 = (?)_{10}$ ii) $(349)_{16} = (?)_2$

b) Explain the features of Barcode Reader. **4**

c) Write a note on E-mail. **4**

d) Explain Disassembling PC. **4**

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