B.Sc. (Information Technology)-I (CBCS Pattern) First Semester
UBITT103 - Information and Communication Technology Paper-III

P. Pages : 2

Time : Three Hours

Max. Marks : 80

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw a neat and labelled diagram wherever necessary.
3. Avoid vague answer.

1. Either

a) Explain in detail Block diagram of computer. **8**

b) What is secondary memory? Explain any two. **8**

OR

c) Explain following. **8**
   i) Virtual memory.
   ii) Cache memory.

d) Write down the advantages and functions of computer. **8**

2. Either

a) Explain the working of plotters in detail. **8**

b) Write a note on **8**
   i) Digitizing Tablet.
   ii) Joystick.

OR

c) Write the function of Output devices? Explaining Dot matrix printer in detail. **8**

d) Write a note on **8**
   i) Light pen
   ii) OCR

3. Either

a) What is software? Explain the Relationship between Hardware and Software? **8**

b) Explain open source softwares? **8**

OR

c) Explain communications software also explain translators program. **8**

d) Write a note on **8**
   i) Application software.
   ii) Proprietary software.

4. Either

    a)   Distinguish between Active software maintenance and passive maintenance.   **8**

    b)   Explain Computer viruses in detail.   **8**

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OR

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    c)   What is trouble shooting? Write procedure of trouble shooting.   **8**

    d)   What are different tools for service engineers? Explain.   **8**

5.   Solve the following.

    a)   Distinguish between RAM and Ray.   **4**

    b)   Explain working of laser printer.   **4**

    c)   Write about operating system.   **4**

    d)   Explain the types of PC faults in short.   **4**

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