Bachelor of Science (B.Sc.-I) (CBCS Pattern) First Semester
USCST01 - Computer Science Paper-I
(Information and Communication Technology)

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

1.   Either:

a)   List and explain at least five characteristics of computer.   **5**

b)   Convert:-   **5**
i) $(ABC)_{16} = (?)_{10}$ ii) $(1011101)_2 = (?)_8$

OR

c)   Discuss the limitations of Computer.   **5**

d)   Write a short note on Primary memory. Also list and explain its types.   **5**

2.   Either:

a)   Explain:-   **5**
i)   Keyboard   ii)   Touch Screen

b)   Discuss OCR in brief. Also give its characteristics.   **5**

OR

c)   Write a note on:-   **5**
i)   Digital Camera   ii)   Projector

d)   Describe about Blue Ray Disk Also write down its application.   **5**

3.   Either:

a)   What is Operating System? In which category of software it comes? Why?   **5**

b)   Explain Multiuser to operating system.   **5**

OR

c)   Write a note on:-   **5**
i)   Disk Management   ii)   Disk Defragmentation

d)   Describe the following:-   **5**
i)   Notepad   ii)   Paint

4.   Either:

a)   Describe types of Network.   **5**

b)   Write about social and Ethical issues in the age of IT.   **5**

OR

c)   What is search engine? Give its example.   **5**

d)   Explain BUS Topology with suitable diagram.   **5**

5.   Solve all questions:-

a)   Convert:-.
$$(DAAD)_{16} = (?)_2$$ **2½**

b)   Is a Joystick an input or output device? Illustrate and justify your answer.   **2½**

c)   What is multitasking? Explain its merits.   **2½**

d)   What is URL? Give example.   **2½**

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