

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

P. Pages : 2

Time : Three Hours



**GUG/S/25/11546**

Max. Marks : 50

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- Notes :
1. All the questions are compulsory and carry equal marks.
  2. Draw neat and labeled diagram wherever necessary.
  3. Avoid vague answer and write answer relevant and specific to question only.

**Either:**

1. a) What is Computer? Draw the block diagram of Computer with appropriate label. 5
- b) What is primary memory? Differentiate between RAM and ROM. 5

**OR**

- c) Discuss on characteristics of computer. 5
- d) Convert the following- 5
  - i)  $(1101)_2 = (?)_{10}$
  - ii)  $(64)_8 = (?)_2$

**Either:**

2. a) Write a note on- 5
  - i) Keyboard
  - ii) Mouse
- b) Explain MICR and OMR in detail. 5

**OR**

- c) Differentiate between Dot Matrix and LASER Printer. 5
- d) Discuss on- 5
  - i) Hard Disk
  - ii) Optical Disk

**Either:**

3. a) What is operating system? Explain Single User Multiple Task operating system. 5
- b) Explain the following- 5
  - i) Notepad
  - ii) Paint

**OR**

- c) Write down the Features of Windows. 5
- d) Describe- 5
  - i) Calculator
  - ii) Disk Cleanup

**Either:**

- 4. a) What is Topology? Explain star topology with suitable figure. 5
- b) Explain in details LAN and WAN. 5

**OR**

- c) Discuss on computer communication in brief. 5
- d) Explain search engine with example. 5

5. Attempt all the questions.

- a) Write a note on ASCII code. 2½
- b) Write a note on pen drive. 2½
- c) Write a short note on Recycle Bin. 2½
- d) Write a short note on Freeware. 2½

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