

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

P. Pages : 2

Time : Three Hours



**GUG/W/23/11546**

Max. Marks : 50

- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and clean with well labelled diagram wherever necessary.
  3. Avoid vague answers relevant to specific to questions only.

**Either:**

1. a) List and explain the characteristics of computer. 5
- b) Discuss on types of primary memory. 5

**OR**

- c) Explain block diagram of computer. 5
- d) Convert: 5
  - i)  $(29)_{10} = (?)_8$
  - ii)  $(525)_{10} = (?)_{16}$

**Either:**

2. a) Explain any two input devices. 5
- b) Explain vision capturing devices. 5

**OR**

- c) Describe LASER printer with its advantages. 5
- d) Demonstrate optical disk and its function. 5

**Either:**

3. a) Write features of operating system. 5
- b) Explain the terms- 5
  - i) Single user operating system
  - ii) Multi-user operating system

**OR**

- c) Illustrate the following statement “Without operating system computer is as dead”. 5
- d) Explain: 5
- i) Administrative tools
  - ii) Recycle bin

**Either:**

4. a) Write a note on Internet and Intranet. 5
- b) Write a note on STAR Network Topology with figure. 5

**OR**

- c) What is protocol? Explain TCP/IP protocol in brief. 5
- d) Give details about E-Mail. 5

5. Solve all questions.

- a) What is RADIX of a number system? Give example. 2½
- b) Write a note on Mouse. 2½
- c) What is the role of control panel. 2½
- d) Give details about open source software. 2½

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