

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

P. Pages : 2

Time : Three Hours



GUG/S/23/11546

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram wherever necessary.

Either:

1. a) Define computer. List and explain at least five functions of computer. 5
- b) Convert: 5
- i) $(BABA)_{16} = (?)_2$
- ii) $(6754)_8 = (?)_2$

OR

- c) What is RADIX of a number system? Give at least one example for each number system. 5
- d) Describe the role of memory. Also differentiate between primary and secondary memory. 5

Either:

2. a) Explain- 5
- i) Mouse
- ii) Light Pen
- b) Discuss Digital Camera in brief. 5

OR

- c) Write a note on: - 5
- i) Webcam
- ii) VDU
- d) Explain at least five characteristics of MICR. 5

Either:

3. a) Explain: - 5
i) Desktop
ii) Taskbar
b) Discuss windows explorer in detail. 5

OR

- c) Write a note on: - 5
i) Features of Windows
ii) Multi user Multi task operating system
d) Discuss on calculator and paint in brief. 5

Either:

4. a) Define Computer Network. Why it is needed? 5
b) Write about E-learning in the age of IT. 5

OR

- c) Discuss on advantages and disadvantages of STAR Topology. 5
d) Differentiate Analog and Digital Data Transmission. 5

5. Solve **all** questions: -
a) What is ASCII code? Give example. 2½
b) What is the function of OMR? 2½
c) What does acronym GUI stands for? Write down its feature. 2½
d) What is web page? In which software it is created? 2½
