

2022

**COMPUTER SCIENCE**

[GENERIC]

(CBCS)

**(B.Sc. First Semester End Examination-2022)**

**PAPER-GE1T**

*Full Marks: 40*

*Time: 02 Hrs*

*The figures in the right hand margin indicate marks  
Candidates are required to give their answers in their own words as  
far as practicable  
Illustrate the answers wherever necessary*

**Group-A**

- 1. Answer any five questions of the following: 5x2=10**
- a) What is out put device? Give an example.
  - b) What is the abbreviation of ASCII and ISCH?
  - c) What is system software?
  - d) Write down the difference between GUI and CUI.
  - e) Find the result:  $(11001)_2 + (10111)_2 = (?)_2$
  - f) What is bus in computer system?
  - g) What is SMPS? Why is it used for?
  - h) Why ribbon cables are used for?

(2)

**Group-B**

**Answer any four questions of the following: 4x5 = 20**

2. a)  $(75)_{10} = (?)_2$   
b)  $(22.375)_{10} = (?)_2$  2.5+2.5
3. Explain primary memory and its classification?
4. a) What register? Give an example.  
b) Write down the advantage of using permanent storage device in computer system  
c) Give an example of non volatile memory and define it. 2+2+1
5. What do you understand by 'interface' in computer architecture? Explain its utilization. 2+3
6. a) Write the difference between laser printers and dot matrix printers.  
b) Write down the differences between primary and secondary memory with examples.
7. a) What do you understand by open source soft wares? How is open source difference from free wares  
b) Write down the properties of big data? 3+2

**Group -C**

**Answer any one question: 1x10 = 10**

8. Short note (any two):
  - a) Big data
  - b) Embedded system

(3)

c) Mobile Computing

d) Bluetooth communication. 5+5

9. a) Barcode scanner is an input device or output device? Explain how it works. 3  
b) What is OMR? 2  
c) What do you understand by cloud computing? How is it different from edge computing? 2+3
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