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Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2021**

Computer Science

BCS 1C 01—COMPUTER FUNDAMENTALS

(2021 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type Questions)*Answer at least **eight** questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. What is RAM ?
2. What is the function of CPU ?
3. Explain the representation of ASCII code.
4. What is a Register ?
5. Define algorithm.
6. List four control devices.
7. What is a touch pad ?
8. What is MIDI ?
9. What is magnetic stripe technology ?
10. What do you mean by secondary memory ?
11. What are combinational circuits ?
12. What is a flow chart ?

(8 × 3 = 24 marks)

Turn over

Section B (Paragraph Type Questions)

*Answer at least **five** questions.*

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 25.

13. Explain XOR gate with truth table and diagram.
14. Convert the Hexadecimal number (1A5.2)₁₆ to decimal, binary and octal number systems.
15. Explain Sum of Products (SOP) with an example.
16. Explain a half adder with its truth table.
17. Differentiate ROM and PROM.
18. Explain the pointing device mouse.
19. Write short notes on computer speakers.

(5 × 5 = 25 marks)

Section C (Essay Type)

*Answer any **one** question.*

The question carries 11 marks.

20. Explain different types of printers with its advantages and disadvantages.
21. Explain the theorems used in Boolean algebra.

(1 × 11 = 11 marks)