D 53631 (Pages : 2) Name...

Reg. No.....................................

FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION NOVEMBER 2023

B.C.A.

BCA 1B 01—COMPUTER FUNDAMENTALS AND HTML

(2019—2023 Admissions)

Time : Two Hours Maximum : 60 Marks

Section A (Short Answer Type Questions)

Answer **all** *questions.*
Each question carries 2 *marks.*
Ceiling 20 *marks.*

1. Define SMPS.

2. What are the different types of memory ?

3. What is Cache memory ?

4. Convert 255 to binary.

5. What is Karnaugh map ?

6. Differentiate between Minterm and Maxterm.

7. What is an Algorithm ?

8. Give any *two* properties of flowcharts.

9. Define WWW.

10. What is HTML ?

11. What is CSS ?

12. List out four properties of CSS.

Turn over

Section B (Short Essay Type Questions)

Answer **all** *questions.*
Each question carries 5 *marks.*
Ceiling 30 *marks.*

13. What is a computer port ? Discuss any *two* computer ports with its application.

14. Define a language translator. Briefly explain with an example.

15. What are the two De Morgan's theorem ? Give some of its application.

16. What is SOP and POS form of Boolean expression ? Briefly explain.

17. Draw a flowchart to check whether the number entered is Odd or Even.

18. Differentiate XHTML and DHTML.

19. Discuss the working with Block Elements and Objects in CSS.

Section C (Essay Type Questions)

Answer any **one** *question.*
The question carries 10 *marks.*

20. Explain :

    a) ASCII code.

    b) Unicode.

    c) Gray code.

    d) Excess-3 code.

21. Discuss in brief any *five* basic formatting tags in HTML.

(1 × 10 = 10 marks)