

**20U129SA**

(Pages: 2)

Name: .....

Reg. No.....

**FIRST SEMESTER B.C.A. DEGREE EXAMINATION, NOVEMBER 2020**

(CUCBCSS-UG)

**CC17U BCA 1B01 - COMPUTER FUNDAMENTALS AND HTML**

(Computer Application – Core Course)

(2017, 2018 Admission - Supplementary)

Time: Three Hours

Maximum: 80 Marks

**PART A**

Answer *all* questions. Each question carries 1 mark.

1. Define the term Algorithm.
2. Expand the term HTML.
3. .... is the tag to add style sheet.
4. Why are RAM called a volatile memory?
5. What is the BCD form of 9816?
6. Convert the following to POS form  $AB'+A'B'+A'B$ .
7. What do you mean by web server?
8. What is the 2's complement of  $11001101_2$ ?
9. .... is the tag to add hyperlinks in HTML.
10. Convert  $7654_8$  to binary form.

**(10 x 1 = 10 Marks)**

**PART B**

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

11. What do you mean by DNS?
12. Convert the following
  - a)  $FAB_{16}=?_{10}$
  - b)  $543_6=?_2$
13. State and prove DeMorgan's Theorem.
14. Write algorithm to find smallest of two numbers.
15. Write note on font tag.
16. What is the purpose of CSS class and ID?
17. What are block elements in CSS?
18. Define the term URL?

**(8 x 2 = 16 Marks)**

### PART C

Answer any *six* questions. Each question carries 4 marks.

19. Perform the following binary operations
  - a)  $11011+11001$
  - b)  $100010-100001$
  - c)  $11111+111+11+1$
  - d)  $1010101-1000111$
20. Explain various style sheets in CSS.
21. Explain various types of links in HTML.
22. Write algorithm and draw flowchart to find roots of quadratic equation.
23. Explain frames and frameset in HTML.
24. Explain basic computer organization with neat diagram.
25. Simplify using K-Map  $F(A,B,C,D)=\sum(0,1,3,5,7,9,11,13,15)$
26. Differentiate RAM & ROM
27. Explain various computer codes.

**(6 x 4 = 24 Marks)**

### PART D

Answer any *three* questions. Each question carries 10 marks.

28. Explain any two secondary storage devices.
29. Explain tables in HTML.
30. Short note on lists in HTML.
31. Write short note on various Output devices and input Devices.
32. Write short note on various Computer languages?

**(3 x 10 = 30 Marks)**

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