19U128C (Pages: 2) Name: …………………….

Reg. No………..………….

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2019
(Supplementary/Improvement)
(CUCBCSS-UG)
CC17U BCS1 B01 - COMPUTER FUNDAMENTALS AND HTML
(Computer Science – Core Course)
(2017 & 2018 Admissions)

Time: Three Hours   Maximum: 80 Marks

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

1. What is the difference between compiler and interpreter?

2. What is HDMI?

3. What is Unicode?

4. $(8A9D)_{16} = (\_\_\_\_)_2$

5. Define flowchart.

6. Give any two Characteristics of Algorithm.

7. Define DHTML.

8. What is Web Server?

9. What is the significance of cellpadding attribute of <table> tag?

10. Write any two advantages of using CSS.

(10 × 1 = 10 Marks)

PART B
Answer *all* questions. Each question carries 3 marks.

11. Write a short note on cache memory.

12. State and prove DeMorgan's Theorem.

13. Write a short note on Top-down design with an example.

14. What is the use of "target" attribute of anchor tag in designing frame based web page?

15. Explain the role of DNS.

(5 × 3 = 15 Marks)

PART C
Answer any *five* questions. Each question carries 5 marks.

16. Explain the functions of Mother Board, SMPS and Add-on cards.

17. (a) Explain 2's Complement representation method.

 (b) Represent -123 in 2's Complement form.

18. Draw a flow chart for checking the given number is prime or not.

19. Describe about the various types of lists in HTML.

20. Explain about Id and class in CSS with examples.

21. Describe in detail about the attributes of <img> tag.

22. Explain about the important attributes of <frameset> and <frame> tag.

23. (a)What is the use of anchor tag?

    (b) Explain different attributes of anchor tag.

                                                                        (5 × 5 = 25 Marks)

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

24. Explain the components of Von Neumann Model architecture with a neat block diagram.

25. (a) Explain Karnaugh Map Technique.

    (b) Simplify the following Boolean function using four variable method.

       F(A, B, C, D)=Σ(0, 2, 4, 5, 6, 7, 8, 10, 13, 15)

26. Explain the formatting tags in HTML with examples.

27. Explain various Text formatting, Font and Background properties in CSS.

28. Explain the following form controls in HTML:

    Text, password, text area, button, checkbox, radio button, select box & hidden controls.

                                                                        (3 × 10 = 30 Marks)

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