

17U137

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Name:

Reg. No.....

FIRST SEMESTER B.Sc. CS/BCA DEGREE EXAMINATION, NOVEMBER 2017
(CUCBCSS-UG)

CC17U BCS1 B01/CC17U BCA1 B01- COMPUTER FUNDAMENTALS AND HTML
(Computer Science –Core Course)
(2017 - Admissions Regular)

Time: Three Hours

Maximum: 80 Marks

PART A

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

1. The terms hit and miss are related to.....memory.
2.tag is used to make a bulleted list with numbers.
3. ASCII stands for
4. HTML tags can be read and rendered by
5. Write the decimal equivalent of the binary number 101001.
6. In signed magnitude representation of numbers,bit is used to represent sign.
7. Write an example for web server.
8. $A \cdot (A + B) = \dots\dots\dots$
9. Say True or False: HTML is platform independent.
10. The logic of a program and a step by step description of how to arrive at the solution of a given problem is known as.....

(10 x 1 = 10 Marks)

PART B

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

11. Define URL.
12. Convert $(125)_{16} = (\dots\dots\dots)_2$
13. Differentiate between minterm and maxterm.
14. What do you mean by top down design?
15. How to insert image in HTML document?
16. Write down the postulates in Boolean algebra.
17. What are the basic hardware components?
18. What are the symbols used in flowchart?

(8 x 2 = 16 Marks)

PART C

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

19. Write a note on secondary storage devices.
20. Briefly explain about digital codes.
21. Perform the subtraction using one's and two's complement method and verify your answer: $(50)_{10} - (23)_{10}$.
22. Explain Von Neumann model.
23. Explain any four form controls in HTML.
24. Simplify the Boolean expression $X.Y + X (Y + Z) + Y (Y + Z)$.
25. Write a sample HTML program to create a table (include both rowspan and colspan attributes).
26. Write a note on memory hierarchy.
27. What are the properties of CSS?

(6 x 4 = 24 Marks)

PART D

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

28. Discuss the different ways of style sheet creation.
29. Write a note on basic formatting tags in HTML.
30. Explain different computer languages and translators.
31. What is Karnaugh Map? Explain the different Karnaugh Map techniques for simplifying a Boolean expression with example.
32. Write down the algorithm for solving a quadratic equation and draw the flowchart.

(3 x 10 = 30 Marks)
