

19U128

(Pages: 2)

Name:

Reg. No.....

FIRST SEMESTER B.C.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CBCSS UG)

CC19U BCS1 B01/CC19U BCA1 B01 - COMPUTER FUNDAMENTALS AND HTML

(Computer Science – Core Course)

(2019 Admissions Regular)

Time: Two Hours

Maximum: 60 Marks

Credit: 3

Section A (Short Answer type Questions)

Each question carries 2 marks.

1. State DeMorgan's Theorem.
2. What is a motherboard?
3. What is the difference between RAM and ROM?
4. What do you mean by memory hierarchy?
5. What is cache memory?
6. What do you mean by top down design?
7. Convert the following
 - a) Convert decimal 1827 to binary
 - b) Convert hexadecimal 7AF8 to binary
8. Expand the following terms
 - a) HTTP
 - b) URL
 - c) XHTML
 - d) SMPS
9. What is a flowchart? What are the symbols used in a flowchart?
10. What is a hyperlink? Write the syntax to add a hyperlink
11. What is a frame? List two types of frames.
12. How will you insert an image into a web page?

(Ceiling 20 Marks)

Section B (Short Essay type Questions)

Each question carries 5 marks.

13. Write an algorithm and draw a flowchart to find the roots of a quadratic equation.
14. Explain the rules and laws of Boolean algebra.
15. Simplify the K-Map $F(A, B, C, D) = \sum (0, 1, 2, 4, 5, 7, 10, 15)$
16. Define the following
 - a) ASCII
 - b) BCD
 - c) Excess 3 Code
 - d) Unicode
17. What is CSS? Explain CSS block elements and styling.
18. Create a form with the details text box, password, checkbox and submit options.
19. What is a list? Explain the different types of lists with example.

(Ceiling 30 Marks)

Section C (Essay type Questions)

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

20. With the help of a block diagram, explain the Von Neumann Model of computer organization and discuss the functions of various units.
21. Create a student table in HTML with details student name, number, and address. Address should contain house name, city and pincode and, add details of 2 students.

(1 x 10 = 10 Marks)
