

D 52733

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Name.....

Reg. No.....

FIRST SEMESTER B.C.A. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS-UG)

Core Course

BCA 1B 01—COMPUTER FUNDAMENTALS AND HTML

(2017 Admissions)

Time : Three Hours

Maximum : 80 Marks

Section A

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

1. What is a language translator ?
2. Provide the significance of Cache Memory.
3. Obtain the octal Equivalent of the Decimal 734.24.
4. What is Postulates ? Explain.
5. What is top-down design ? Explain with example.
6. What is DNS ? Explain.
7. Define HTML. Explain its use.
8. Explain internal anchor tag.
9. Explain spanning in HTML tables.
10. What is Internal CSS ? Explain.

(10 × 1 = 10 marks)

Section B

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

11. Explain how register works. What is its use ?
12. Explain minterms and maxterm.
13. With example, explain rules and laws of Boolean algebra.
14. Draw flowchart for find whether the given number is prime or not.
15. Explain different steps in web hosting.
16. Explain unordered lists in HTML.
17. How check box different from radio button ? Explain.
18. Explain the use of class attribute in CSS with an example.

(8 × 2 = 16 marks)

Turn over

Section C

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

19. Explain Ports, Adapters and network cables with their functions.
20. Explain different features of good language.
21. (a) What is 1's complement ? Explain with example.
(b) Explain Unicode, gray code and excess code with example.
22. How will you convert octal number to the decimal form ? Explain steps with suitable example.
23. What is an algorithm ? Write an algorithm to find sum and average of positive numbers from a list of numbers.
24. Explain in detail the DHTML and HTTP.
25. Explain how block elements and objects working with CSS ?
26. Why we use anchor Tags ? Explain different anchors tags used in HTML 5 with example.
27. Design web pages to accept the employee information. Employee should enter the details like name, emp ID, city up to 20 characters, address up to 30 characters, and designation up to 20 characters. Show the combo box to select the qualification, option button for gender selection. Display the information accepted in a formatted form.

(6 × 4 = 24 marks)

Section D

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

28. What is Von Neumann model ? Explain different parts of this model in detail.
29. (a) What is Karnaugh Map ? What are the different steps to solve expression using K-map ? Explain with examples. <https://www.keralaguru.com>
(b) Solve the K-map for 4 variables in SOP FORM
$$F(P, Q, R, S) = \Sigma (0, 2, 5, 7, 8, 10, 13, 15).$$
30. Describe different formatting tags, lists and media tags in HTML 5.
31. What is the basic concept of CSS ? Explain CSS properties, styling and ID.
32. Write short note on :
(a) DHTML, XHTML and W3C.
(b) Motherboard and SMPS.
(c) Explain different Laws of Boolean Algebra.

(3 × 10 = 30 marks)