

21U123

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Name:

Reg.No:

FIRST SEMESTER B.Sc. CS/B.C.A. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS - UG)

(Regular/Supplementary/Improvement)

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

(Computer Science / Computer Application - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

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

1. Explain registers.
2. Explain SMPS.
3. Convert
(i) $100110011010 = (\quad)_8$ (ii) $0.0110 = (\quad)_{10}$ (iii) $1100101001010111 = (\quad)_{16}$ (iv) $(425)_6 = (\quad)_4$
4. What is 1's complement and 2's complement?
5. What is boolean algebra?
6. What do you mean by pseudocode?
7. Define Algorithm.
8. Define the terms Web browser and Web server.
9. List out the basic tags in HTML document structure.
10. How will you insert an audio into a webpage ? Illustrate with an example.
11. What are forms in HTML ? How will you insert password and radio button in a form ?
12. What is the use of element? Illustrate with examples.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Explain classification of computers.
14. Differentiate compilers and interpreters.

15. Explain UNICODE and ASCII code
16. Solve using Kmap $F(A,B,C,D) = \pi M(0,3,6,7)$
17. Draw a flowchart to find the largest of three numbers.
18. Write a program in HTML which uses text formatting tags and also explain the same.
19. Explain HTML tables with suitable example. Give border,padding,color etc.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Explain the Von Neumann architecture with a neat diagram
21. What are hyperlinks ? Write a program in HTML that uses hyperlinks and single page link.

(1 × 10 = 10 Marks)
