DON BOSCO COLLEGE

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SECOND INTERNAL EXAMINATION OCTOBER 2018
FIRST SEMESTER BCA
BCA1B01: COMPUTER FUNDAMENTALS & HTML

Time: 3 hours **Max. Marks: 80**

Part – A

Answer All Questions

Each Carries 1 Mark

1. Define Software
2. What is an output device?
3. Convert hexadecimal number $(81.21)_{16}$ to decimal
4. Using 2s compliment, subtract 11010 -01100
5. What is Pseudo code?
6. List the properties of a good algorithm
7. What is IP Address?
8. Explain what is a URL?
9. Define HTML.
10. Explain the table tag with attributes in HTML.

Part – B

Answer All Questions

Each Carries 2 Marks

11. What are different types of Form controls?
12. How can we list items using HTML?
13. What is meant by webhosting?
14. Explain how to insert an image into HTML page.
15. Define Hardware
16. What is an input device?
17. What is IP Address?
18. Explain what DNS is.

Part – C

*Answer Any **SIX** Questions*

Each Carries 4 Marks

19. Explain Primary memory.
20. Write an algorithm and draw flowchart to find whether a given number is an Armstrong number.
21. How to insert radio buttons in HTML.

22. What is Coaxial cables?
23. Find the dual of the following function

    (a) F_1=x'.y.z'+x'.y'.z

    (b) F_2=x.(y'.z+y.z)

24. Express the POS F = Π A, B, C (2, 3, 5) into SOP
25. Explain how to insert a link into HTML page.
26. What is Von Neumann basic structure of a computer? Explain
27. Explain the three types of buses in detail

Part – D

*Answer Any **THREE** Questions*

Each Carries 10 Marks

28. Write an algorithm and draw flowchart to find whether a given number is odd/even
29. Using K-map solve, F(A,B,C,D)=π(3,5,7,8,10,11,12,13)
30. Explain Memory Hierarchy in detail.
31. What are the basic postulates of Boolean algebra?

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