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

(CUCBCSS—UG)

B.C.A.

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 are the things a Computer can't do ?

2. What is the purpose of Primary Storage ? Explain.

3. What is Gray codes ?

4. What is Boolean algebra ? Explain.

5. Define a Flowchart with example.

6. What is URL ? explain its the purpose

7. Define ASCII Code.

8. What is unordered lists ?

9. Explain the following tags anchored text links to the URL www.bcacu.com.

10. What is CSS ID ? Explain.

(10 × 1 = 10 marks)

Section B

Answer all the questions.
Each question carries 2 marks.

11. Explain how CPU and memory works ?

12. What are SOP and POS? Explain each.

13. With example, explain Multiplication, Division and Complement Addition in Binary Arithmetic.

14. What are the Postulates used in Boolean algebra ? Explain.

15. List different CSS Properties. Explain any two.

Turn over

16. Draw a Flowchart to find Quadratic Equation.

17. How is CSS Different from HTML ? Explain

18. What are the different CSS fonts Properties ? Explain.

(8 × 2 = 16 marks)

Section C

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

19. Explain any five Secondary Storage Devices with their functions.

20. Explain,what is the Basic Computer Configuration ?

21. What are Number Systems ? Explain different numerical number systems with example.

22. How will you convert binary number to the decimal form ? Explain steps with suitable example.

23. Write an algorithm to finding largest number from given list of numbers.

24. Explain in detail the DHTML and HTTP.

25. What are the different steps to Creating Style Sheet in inline and internal ? Explain.

26. Why we use Formatting Tags ? Explain any 6 formatting tags used in HTML 5 with syntax and example.

27. Design web pages to accept the student information. Student should enter the details like name, city up to 15 characters, and address up to 30 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 mean by a Computer Languages ? Explain different Language Translators and explain the features of good language.

29. Explain 1's and 2's Complements, Complement Subtractions in detail with examples. Explain De Morgan's Theorem.

30. Describe different attributes, lists and tags in HTML 5.

31. What is Form Controls ? Explain different Input types form controls in detail.

32. Write short note on :

    a) W3C, Web Browser, Web Server.

    b) Top-down Design.

    c) Cache Memory.

(3 × 10 = 30 marks)