Reg.No..............................

Name: ....

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2023

(Regular/Improvement/Supplementary)

COMPUTER SCIENCE

GBCS1B01T: COMPUTER FUNDAMENTALS & HTML

Time: 2 Hours   **Maximum Marks: 60**

SECTION A: Answer the following questions. Each carries *two* marks.

(Ceiling 20 Marks)

1. What are the features of motherboard?
2. What is the difference between hardware and software?
3. List out various types of ROM memory.
4. What will be the hexa decimal equivalent of decimal number $(4579)_{10}$?
5. What is digital codes?
6. Differentiate between minterm and maxterm.
7. What are the symbols used in a flowchart?
8. What do you meant by top down design?
9. What is meant by algoritham?
10. Differentiate empty tag and container tag.
11. What is external style sheet?
12. What is CSS ID?

SECTION B: Answer the following questions. Each carries *five* marks.
(Ceiling 30 Marks)

13. Explain about memory hierarchy.
14. Explain 1's and 2's complement of binary with example.
15. What is gray code? Explain conversion between binary and gray code with example.
16. Discuss the characteristics of algorithm.
17. Write an algorithm to find the roots of a quadratic equation.
18. Explain various tags used to create tables in HTML.
19. Describe the basic structure of HTML with example.

SECTION C: Answer any *one* question. Each carries *ten* marks.

20. Reduce the expression $\sum m(0,1,2,3,5,7,8,9,10,12,13)$ using K-map.

21. Design a webpage for accepting details of student using form controls.

(1 x 10 = 10 Marks)