

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2022
(Regular/Improvement/Supplementary)

COMPUTER SCIENCE
GBCS1B01T: COMPUTER FUNDAMENTALS & HTML

Time: 2 Hours

Maximum Marks: 60

SECTION A: Answer the following questions. Each carries 2 marks.

(Ceiling 20 Marks)

1. What is compiler?
2. Differentiate between volatile and non volatile memory.
3. What is cache memory?
4. What will be the decimal equivalent of $(111011.10)_2$
5. Explain De Morgan's law.
6. Differentiate between top down and bottom up process.
7. What is meant by flowchart?
8. What is the use of anchor tag?
9. List out any 4 attributes of video tag.
10. How does a web browser differ from a webpage?
11. Write the HTML tag to create a check box.
12. What is inline style?

SECTION B: Answer the following questions. Each carries 5 marks.

(Ceiling 30 Marks)

13. Explain any 5 hardware components.
14. Reduce the expression $\sum m(0,1,3,4,5,6,7,13,15)$ using K-map.
15. Write an algorithm for checking the given number is prime or not.
16. Explain about number systems.
17. Differentiate between HTML and DHTML
18. Explain frameset with example.
19. What are different parts of CSS?

SECTION C: Answer any 1 question. Each carries 10 marks.

20. What are digital codes? Explain the types of codes in detail.
21. a) What is algorithm? Explain the characteristics and properties of an algorithm.
b) Explain important flowchart symbols.

(1 x 10 = 10 Marks)