



K24U 3418

Reg. No. :

Name :

**III Semester B.Sc. Degree (C.B.C.S.S. – O.B.E.-Regular/Supplementary/
Improvement) Examination, November 2024
(2019 to 2023 Admissions)**

**COMPLEMENTARY ELECTIVE COURSE IN COMPUTER SCIENCE FOR
MATHEMATICS/STATISTICS/PHYSICS/ELECTRONICS
3C03CSC : Web Technology with Database Management System**

Time : 3 Hours

Max. Marks : 32

**PART – A
(Short answer)**

Answer **all** questions.

(5×1=5)

1. What does HTML stand for ?
2. Name two semantic elements introduced in HTML5.
3. What is a Database Management System (DBMS) ?
4. What is the purpose of a primary key in a database ?
5. Define the term “tuple” in the context of a relational database.

**PART – B
(Short Essay)**

Answer **any 4** questions.

(4×2=8)

6. What is the structure of an HTML document ? Give a simple example.
7. What are the different types of input elements in HTML forms ?
8. Describe the use of the ‘placeholder’ attribute in HTML input elements.
9. What are the advantages of using a DBMS ?
10. What is the purpose of the ‘CREATE’ statement in SQL ?
11. Explain the difference between INNER JOIN and OUTER JOIN in SQL.

P.T.O.



PART – C
(Essay)

Answer **any 3** questions.

(3×3=9)

12. Discuss the various HTML elements used to create a table.
13. Describe the differences between inline, internal and external CSS.
14. Explain the significance of the 'GROUP BY' clause in SQL.
15. What are aggregate functions in SQL ? Provide examples.
16. Discuss the basic syntax and usage of PHP variables.

PART – D
(Long Essay)

Answer **any 2** questions.

(2×5=10)

17. Explain how to create and structure an HTML form. Include examples of different input types.
18. Discuss how to apply styles to HTML, using CSS with examples of colors, fonts and borders.
19. Explain the roles and responsibilities of a database administrator (DBA).
20. Discuss the basic control structures in PHP, including if, switch and loops with examples.

