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Candidate's Seat No : _____

B.Sc. Sem.-4 Examination

CC-204

Computer Science

May-2025

Time : 2-30 Hours]

[Max. Marks : 70

Q:1 (A) Discuss PHP's basic syntax with suitable examples and Explain the evolution of PHP and its importance in web development. (7)

Q:1 (B) Define variables and constants in PHP with proper syntax and with 2 examples (7)

OR

Q:1 (A) Describe PHP data types with appropriate examples. (7)

Q:1 (B) Explain different operators and expressions in PHP with examples. (7)

Q:2 (A) Define a function in PHP. Explain call by value and call by reference with examples. (7)

Q:2 (B) What is a recursive function? Explain with a practical example. (7)

OR

Q:2 (A) Write a PHP script to demonstrate different string manipulation operations. (7)

Q:2 (B) Differentiate between indexed array and associative array. Explain with examples. (7)

Q:3 (A) What is AJAX? Compare JavaScript and AJAX with suitable examples. (7)

Q:3 (B) Explain how to open, read, and write files in PHP. (7)

OR

Q:3 (A) Define a session and cookie. Compare the two with PHP code examples. (7)

Q:3 (B) Describe how to perform basic database operations (Insert, Update, Delete, Select) using PHP and MySQL. (7)

Q:4 (A) Explain exception handling in PHP using try, catch, and throw blocks. (7)

Q:4 (B) How is error tracking and debugging performed in PHP? and Differentiate (7)

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between errors and exceptions in PHP.

OR

Q:4 (A) Write a PHP script to demonstrate exception handling with user-defined exceptions. (7)

Q:4 (B) Explain different error types in PHP and how they can be handled effectively. (7)

Q:5 True/False Attempt any seven out of Twelve (Each carries 2 Marks) (7)

1 PHP stands for Personal Home Page.

2 Variables in PHP start with a '#' symbol.

3 PHP is a client-side scripting language.

4 Constants in PHP can be redefined during script execution.

5 The 'foreach' loop is commonly used to iterate over arrays.

6 A function in PHP can be both recursive and return a value.

7 JavaScript and AJAX are the same technologies.

8 PHP allows uploading and downloading files from the server.

9 Sessions in PHP expire only when the browser is closed.

10 DELETE is a DML command in SQL.

11 Cross Join returns the Cartesian product of two tables.

12 PHP does not support exception handling.
