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End Semester Examination, December 2024
Program – BCA (AI&DS)-V Semester
COURSE TITLE: Web Based Programming using PHP: ETCA227A

Time: 2.5 hrs.

Max Marks: **50**

Note: *All Questions are compulsory. Marks are indicated against each question.*

PART-A

Q.1 Answer any **5** of the following **7** short questions. Each question carries **2 marks**.

- a) Define the difference between client-side and server-side scripting. [CO-1] [L-2] **2**
- b) Explain the use of PHP superglobal variables. [CO-1] [L-2] **2**
- c) List the advantages of using PHP for web development. [CO-1] [L-1] **2**
- d) Describe the purpose of the switch statement in PHP. [CO-1] [L-2] **2**
- e) What are indexed arrays, and how are they used in PHP? [CO-1] [L-2] **2**
- f) How do constants differ from variables in PHP? [CO-1] [L-2] **2**
- g) Describe the purpose of the foreach loop in PHP. [CO-1] [L-2] **2**

PART-B

Q.2 (Choose either question)

- a) Explain the GET and POST methods in PHP. Discuss a situation where each method is most appropriate.

OR

- b) How can PHP sessions be used to maintain user state across multiple pages? Provide an example of a session variable in PHP. [CO-2] [L-3] **10**

Q.3 (Choose either question)

- a) Describe how sessions are maintained in PHP. Write a script that starts a session, stores a user's name, and then retrieves and displays this information on a separate page.

OR

- b) How can you read data from a file in PHP? Write a simple program that reads and displays file contents. [CO-3] [L-4, 6] **10**

Q.4 *(Choose either question)*

a) Explain the process of connecting a PHP application to a MySQL database. Write a code snippet to connect to a database named "students"

OR

b) What is the role of SQL in PHP database connectivity? Describe how you would retrieve all records from a table called "users". [CO- 4] [L-3] **10**

Q.5 *(Choose either question)*

a) Describe the basic structure of a PHP class. Write a simple class with a constructor and a method.

OR

b) Explain access modifiers in PHP with examples. How do they affect the visibility of class properties? [CO- 5] [L-6] **10**