

**PGDCSA Sem.-2 Examination**  
**Web Application Development**  
**June-2025**

Date ; 25/6/2025, Wednesday

Time : 3.00 Hours]

[Max.Marks : 50

**Instructions:**

- Write both the Sections in the separate answer book.
- Both Sections having equal weightage.
- Draw Diagrams wherever necessary.
- Make Assumptions wherever necessary.

**SECTION – I**

**Q-1 Attempt the following (Any 5)**

**[10]**

1. Define variable scope in PHP with an example.
2. How do you access form data using PHP?
3. List any four string manipulation functions in PHP.
4. What is the use of `include()` and `require()` in PHP?
5. Differentiate between numerically indexed array and associative array.
6. What is the purpose of the `isset()` and `empty()` functions in PHP?
7. Explain any two file-handling functions in PHP.

**Q-2 Attempt the following (Any 3)**

**[15]**

1. Explain conditional statements and loops in PHP with examples.
2. Describe the steps to create a MySQL database and connect it using PHP.
3. How can sessions be used for user authentication in PHP?
4. Write a function in PHP to calculate factorial using recursion.
5. What are multidimensional arrays? Write PHP code to create and traverse a 2D array.

**SECTION – II**

**Q-3 Attempt the following (Any 3)**

**[15]**

1. Explain object-oriented programming in PHP with class and object examples.
2. What are regular expressions? Write PHP code using `preg_match()` and `preg_replace()`.
3. Discuss how to upload files using PHP. Mention necessary HTML and PHP code.
4. Describe SQL commands for Insert, Update, Delete, and Select with syntax.
5. How does PHP interact with MySQL using prepared statements?

**Q-4 Attempt the following (Any 5)**

**[10]**

1. How do you define a constant in PHP?
  2. List any two date/time functions in PHP.
  3. What is the use of `explode()` and `implode()`?
  4. Write syntax to open and read a file line by line in PHP.
  5. What are advantages of using functions in PHP?
  6. Define and give example of associative array.
  7. Mention any two differences between GET and POST.
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