

## IM.SC.(CS)(Old) Sem.-4 Examination

Web Application Development  
June-2025

Date ; 25/6/2025, Wednesday

Time : 3.00 Hours]

[Max.Marks : 70

**Instructions:**

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

**SECTION – I**

- Q-1** Write a detailed note on regular expression in PHP. Explain different function used to implement regular expression. Give an example of simple registration form that is validate using regular expression. **11**
- Q-2** Attempt the following. (Any Two) **12**
1. Write a note on mathematical functions available in PHP.
  2. What is object-oriented programming? Explain concept of object-oriented programming in PHP.
  3. What is a control statement? Write a note on for and while loop in PHP.
- Q-3** Attempt the following : (Any Two) **12**
1. What is an error? How we can achieve exception handling in PHP.
  2. Explain client request and server response architecture with diagram.
  3. List out any six string functions in php? Briefly explain each with syntax and examples.

**SECTION – II**

- Q-4** Write a case study of website for online food ordering. List out different modules. Different functionality of each module. Also mention database tables for each module. **11**

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- Q-5 Attempt the following. (Any Two) 12**
1. What is a prepared statement? How to implement it using PDO?
  2. Write a note on datatype available on MySQL.
  3. Explain index array and associative array in detail.

- Q-6 Write a note on following: (Any Two) 12**
1. User defined functions
  2. MySQLi functions
  3. Cookie and Session

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