



Seat No. : _____

DC-103

December-2025

Int. M.Sc. (CA & IT), Sem.-V (NEP)

DSC-C-IMSCIT-354 T : Web Application Development

Time : 2:00 Hours]

[Max. Marks : 50

1. Answer the following questions : 10

- (a) Explain the working architecture of PHP in a web application.
Draw and describe each step from client request to server response.
- (b) Explain `$_SERVER` superglobal in PHP.
Write any five server elements and explain their use.

OR

1. (a) Explain File Inclusion in PHP. Differentiate between `include()` and `require()` with proper examples.
(b) Explain form handling. Describe the role of `$_GET` and `$_POST` with examples.

2. Answer the following questions : 10

- (a) What is SQL Injection ? Explain types of SQL Injections.
- (b) Explain the Importance of PHP MySql Integration.

OR

2. (a) Explain prepared statements with `bind_param()` and data types with example.
(b) Explain the Importance of CRUD operations in database system.

3. Answer the following questions : 10

- (a) What is Overloading in PHP ? Explain Property Overloading with magic methods `_get()`, `_set()`, `_isset()`, `_call()`, `_callStatic()`
- (b) What is exception Handling ? Explain `throw` keyword in Exception Handling. How is it different from `catch` ? Write example.

OR

3. (a) What is file reading ? Explain all File reading methods in details with examples.
(b) Write a detailed note on Encapsulation. Explain how access modifiers support encapsulation in php.

4. Answer the following questions : **10**
- (a) Explain the MVC architecture in detail with its components and responsibilities. Give the example.
 - (b) Explain five features of Laravel such as Routing, Eloquent ORM, Template Engine, Authentication, Redis.

OR

4. (a) Explain the application structure of Laravel with Purpose of any five Important folders.
- (b) Explain the different types of software Testing with example.

5. (a) Answer the following questions : **5**
- (1) What is Session ?
 - (2) What are Anonymous functions ?
 - (3) What is unset() ?
 - (4) What is Trait ?
 - (5) What is namespace ?

5. (b) Answer the Following questions : **5**
- (1) Laravel was created by _____.
 - (2) Display_errors is enabled using the PHP function_____.
 - (3) Mysqli_fetch_row() returns associative array only. (True/False)
 - (4) Associative arrays use numeric indexes only. (True/False)
 - (5) Error Message for connection failure is returned using _____.
- _____