



Seat No. _____

MASTER OF SCIENCE (INFO TECH & COM APP)-CS Examination
M.SC. (IT & CA) CS SEMESTER-1 JANUARY 2026 (Regular) JANUARY - 2026

CS-02 ADVANCE WEB DEVELOPMENT IN LARAVEL

Faculty Code : 017

Subject Code : 24CS-MSIT-CO-01-00002

Time : 2.30 Hours].

[Total Marks : 70

Instructions: All questions are compulsory.

Q.1 (A) Answer the following:

- 1 In PHP, an abstract class can be instantiated directly. (True/ False)
- 2 The scope resolution operator in PHP is written as _____.
- 3 Write the full form of OOP.
- 4 What is Responsive Design in Bootstrap?

4

(B) Answer in brief (Any one out of two)

- 1 Explain any two features of Object-Oriented Programming in PHP.
- 2 What is the Bootstrap Grid System? Explain briefly.

2

(C) Answer in detail (Any one out of two)

- 1 Explain Access Specifiers in PHP with suitable examples.
- 2 Explain Constructors and Destructors in PHP.

3

(D) Write a note on (Any one out of two)

- 1 Explain Object Oriented Programming concepts in PHP.
- 2 Explain Bootstrap Components used for user interaction.

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Q.2 (A) Answer the following:

- 1 Laravel follows the MVC architecture pattern. (True/ False)
- 2 The command-line tool provided by Laravel is called _____.
- 3 Write the full form of MVC.
- 4 What is the use of Composer in Laravel?

4

(B) Answer in brief (Any one out of two)

- 1 What is Environment Configuration?
- 2 What is Artisan Command Line Tool?

2

(C) Answer in detail (Any out of two)

- 1 Explain the Artisan Console in Laravel.
- 2 Explain Laravel Project Directory Structure.

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(D) Write a note on (Any one out of two)

- 1 Explain Routing in Laravel in detail.
- 2 Explain Controllers in Laravel.

Q.3 (A) Answer the following:

- 1 Blade templates allow the use of control structures like @if and @foreach. (True/False)
- 2 To protect Laravel forms from CSRF attacks, the _____ directive is used.
- 3 Write the full form of CSRF.
- 4 What is the purpose of Form Validation in Laravel?

(B) Answer in brief (Any one out of two)

- 1 What is Blade Template Engine?
- 2 What is the use of CSRF Token in Laravel forms?

(C) Answer in detail (Any one out of two)

- 1 Explain Blade Control Structures in Laravel.
- 2 Explain the Process of Form Validation in Laravel.

(D) Write a note on (Any one out of two)

- 1 Explain Laravel Forms and their features.
- 2 Explain Laravel Validation Rules with examples.

Q.4 (A) Answer the following:

- 1 Laravel migrations allow developers to roll back database changes easily. (True/False)
- 2 The Laravel feature used to insert initial data into database tables is called _____.
- 3 Write the full form of SQL.
- 4 What is Query Builder in Laravel?

(B) Answer in brief (Any one out of two)

- 1 What is the use of Database Transactions in Laravel?
- 2 What is a Migration in Laravel?

(C) Answer in detail (Any one out of two)

- 1 Explain Column Modifiers and Writing Seeders.
- 2 Explain Running Raw SQL Queries in Laravel

(D) Write a note on (Any one out of two)

- 1 Explain SQL Interaction in Laravel.
- 2 Explain Creating Tables and Columns using Laravel Migrations.

Q.5 (A) Answer the following:

- 1 Eloquent ORM provides an Active Record implementation for working with the database. (True/ False)
- 2 In Laravel, the ORM used for database interaction is called _____.
- 3 Write the full form of API.

4 What is the use of Passport Tokens in Laravel?

(B) Answer In brief (Any one out of two)

- 1 What is an Eloquent Model in Laravel?
- 2 What are API Resources in Laravel?

(C) Answer in detail (Any one out of two)

- 1 Explain Relationships in Eloquent ORM.
- 2 Explain Passport Token Authentication in Laravel.

(D) Write a note on (Any one out of two)

- 1 Explain API Authentication using Laravel Passport.
- 2 Explain API Resources in Laravel with advantages.

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