# GUJARAT TECHNOLOGICAL UNIVERSITY
## M.SC INTEGRATED - SEMESTER - VII EXAMINATION - WINTER 2025

**Subject Code: 1370506**　　　　　　　　　　　　　　　　**Date: 24-11-2025**

**Subject Name:  Advance Web Development (LARAVEL)**

**Time: 10:30 AM TO 01:00 PM**　　　　　　　　　　　　　　**Total Marks: 70**

**Instructions**
**1. Attempt all questions.**
**2. Make suitable assumptions wherever necessary.**
**3. Figures to the right indicate full marks.**
**4. Use of simple calculators and non-programmable scientific calculators are permitted.**

|  |  | Marks |
|---|---|---|
| **Q.1 (a)** | 1. Artisan <br> 2. CSRF protection <br> 3.  Eloquent | 03 |
| **(b)** | List artisan commands available in Laravel. What are the steps and commands to create user defined artisan command in Laravel? | 04 |
| **(c)** | What are routes in Laravel? Explain route handling with controller and route parameters. | 07 |
| **Q.2 (a)** | What is blade directive? Explain : @extends , @parent , @section | 03 |
| **(b)** | What is Redirection? Explain all redirect methods in Laravel. | 04 |
| **(c)** | Explain String Helpers, Pluralization, and Localization in Laravel with appropriate example. | 07 |

**OR**

| **(c)** | What is pagination? How can we manually create paginators? Also write code snippet to paginate database results. | 07 |
|---|---|---|
| **Q.3 (a)** | What is Controller structures? Explain Resource Controllers. | 03 |
| **(b)** | How can we implement Authentication in Laravel? Also explain how it works? | 04 |
| **(c)** | What is database migration? List different options use with migration command. Explain with example? | 07 |

**OR**

| **(a)** | Write short note on control structures available in blade? Write code snippet for any one of them. | 03 |
|---|---|---|
| **(b)** | What are different types of relationships we can define on models? Explain with Proper code snippet. | 04 |
| **(c)** | What is seed and factory? Take an appropriate example to explain the use of these features in Laravel. | 07 |
| **Q.4 (a)** | Explain the scope in Laravel with proper example. | 03 |

**(b)** How can we create Conditionals Loop? Explain with Code.     **04**

**(c)** Explain the life cycle of Laravel Request object? How can we access it? Also Explain mechanism to read uploaded files from Laravel.     **07**

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**OR**

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**(a)** How can user send response from Laravel? Explain methods to send data as response to browser.     **03**

**(b)** Explain Following.
1) Message Bags.
2) How CSRF Token works in Laravel.     **04**

**(c)** What is Middleware? How it can be created and implemented? Explain with Proper code snippet.     **07**

**Q.5 (a)** Explain Controller Organization and JSON Returns with Example.     **03**

**(b)** What are accessors and mutators? Explain with code snippets.     **04**

**(c)** Explain full text search with example using Laravel Scout     **07**

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**OR**

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**(a)** How can we access session in Laravel? Explain the mechanism of writing and reading data from session.     **03**

**(b)** What is injecting a request object? Explain in detail.     **04**

**(c)** Explain mail functionality in Laravel. Explain two different syntaxes used in Laravel to send mail. Give appropriate examples.     **07**

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