

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA INTEGRATED– SEMESTER IV- EXAMINATION –SUMMER-2024**

**Subject Code: 2648604**

**Date: 20/05/2024**

**Subject Name: Application Development using 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.

- Q. 1** (a) What is Framework, Why we use a Framework in website development? **07**  
(b) How Laravel work? What are the advantages of Laravel. **07**

- Q. 2** (a) What is an artisan? List artisan command available laravel. Also explain how can we create our own artisan commands in laravel? **07**  
(b) What is a controller? Explain methods of LARAVEL's resource controllers. **07**

**OR**

- (b) How can we create custom blade directives in laravel? Explain with code. **07**

- Q. 3** (a) What is Route? Why use Route? **07**  
(b) What is database Migration? What is its usage? Explain with example? Also list the different options to use with migration command. **07**

**OR**

- (a) What is pagination? Demonstrate the database result into pagination. **07**  
(b) Explain manual validation and validation using the validate() method in the controller. **07**

- Q. 4** (a) Explain Authentication working in laravel with appropriate example. **07**  
(b) Explain life cycle of Laravel Request object? How can we access it? **07**

**OR**

- (a) Explain Form method spoofing and CSRRP Protection. **07**  
(b) Explain important directories used in a common Laravel application. **07**

- Q. 5** (a) What is Middleware? How it can be created and implemented? How parameter can be passed to Middleware? **07**

- (b) Explain following terms: **07**

- (i) Traits
- (ii) Contracts
- (iii) Facades
- (iv) Controller

**OR**

- (a) What is a cookie, Why we use it? Explain Cookie facade, cookie() global helper, and the request and response objects in LARAVEL. **07**
- (b) Explain two different syntaxes in LARAVEL for sending mail. **07**

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