

Enrolment No. /Seat No.: \_\_\_\_\_

# GUJARAT TECHNOLOGICAL UNIVERSITY

MCA INTEGRATED – SEMESTER IV- EXAMINATION –WINTER-2024

**Subject Code: 2648604**

**Date: 11/12/2024**

**Subject Name: Application Development using LARAVEL**

**Time:02:30 PM TO 05:00 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 Answer the following do as directed. **14**
- (i) Define: Eloquent
  - (ii) What is middleware?
  - (iii) Define: Migration
  - (iv) How we define a route in Laravel?
  - (v) Why we use .env file?
  - (vi) Difference between {{ verses {!!
  - (vii) What is Laravel artisan?
- Q. 2 (a) What do you mean by MVC, Explain with examples. **07**
- (b) How Laravel work? What are the advantages of Laravel. **07**
- OR**
- Q. 2 (a) Why we use a Framework in website development? **07**
- (b) Explain features and advantages of Laravel **07**
- Q. 3 (a) Explain directory structure of Laravel **07**
- (b) What is a controller? Explain methods of LARAVEL's resource controllers. **07**
- OR**
- Q. 3 (a) What is an artisan? List out some artisan commands **07**
- (b) How can we create custom blade directives in Laravel? Explain with code. **07**
- Q. 4 (a) What is database Migration? What is its usage? Explain with example? Also list the different options to use with migration command. **07**
- (b) What is pagination? Demonstrate the database result into pagination. **07**

**OR**

- Q. 4 (a) Explain Form method spoofing and CSRF Protection **07**  
(b) Explain life cycle of Laravel Request object? How can we access it? **07**

- Q. 5 (a) What is Middleware? How it can be created and implemented? How parameter can be passed to Middleware? **07**  
(b) What are accessors and mutators? Explain with code snippets. **07**

**OR**

- Q. 5 (a) What is Eloquent? Explain accessing and inserting records using Eloquent with code. **07**  
(b) Explain two different syntax in LARAVEL for sending mail. **07**

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