GUJARAT TECHNOLOGICAL UNIVERSITY
MCA– SEMESTER V- EXAMINATION –SUMMER-2024

Subject Code: 4659307   **Date: 17/05/2024**
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	**(a)**	What is framework? Why one should use framework? How Laravel is useful in developing web application?	**07**
	(b)	List and explain basic php artisan commands in Laravel.	**07**
Q.2	**(a)**	Write short note on control structures available in blade.	**07**
	(b)	What is Middleware? How can we create custom middleware in Laravel?	**07**
		OR	
	(b)	What is MVC? Explain with a proper example.	**07**
Q.3	**(a)**	What is custom blade directive? How can we create custom blade directives in Laravel.	**07**
	(b)	What is form method spoofing? How it is useful? Explain with example.	**07**
		OR	
Q.3	**(a)**	What is CSRF protection? Explain in detail.	**07**
	(b)	What is Eloquent? What is advantage of Eloquent? Explain accessing and inserting records using Eloquent with code snippet.	**07**
Q.4	**(a)**	Explain Laravel's Request life cycle in detail.	**07**
	(b)	Explain the mechanism of handling cookies in Laravel. Also show how can we read and write values to it.	**07**
		OR	
Q.4	**(a)**	What is database migration? What is its usage? Explain with example.	**07**
	(b)	What is pagination? How can we manually create paginators? Also write code snippet to paginate database results.	**07**
Q.5	**(a)**	What are different types of relationships we can define on models? Explain with proper code snippet.	**07**
	(b)	What is Response object in Laravel? How can we send response from Laravel?.	**07**
		OR	
Q.5	**(a)**	How can we implement authentication in Laravel? Also explain how it works.	**07**
	(b)	What are accessors and mutators? Explain with code snippets.	**07**

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