GUJARAT TECHNOLOGICAL UNIVERSITY
MCA (INTEGRATED) - SEMESTER–IV EXAMINATION – WINTER 2020

Subject Code:2648604   **Date:08/02/2021**
Subject Name:Application Development using LARAVEL
Time:02:00 PM to 04:00 PM   **Total Marks: 56**
Instructions:
1. **Attempt any FOUR questions out of EIGHT questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1 **(a)** **Answer the following questions.**   **07**
1. How to know Laravel version?
2. What are pros and cons of using Laravel Framework?
3. What is make method?
4. What is database migration? How to create migration via artisan?
5. What is composer?
6. Define @include?
7. Please write some additional where Clauses in Laravel?

(b) What is an artisan? List artisan commands available in Laravel? Also Explain   **07**
how can we create our own artisan commands in Laravel?

Q.2 **(a)** What is blade directive? Explain : @extends , @parent , @section.   **07**

(b) Explain String Helpers, Pluralization, and Localization in Laravel with appropriate **07**
example.

Q.3 **(a)** Explain following   **07**

1) Form method spoofing.

2) CSRF Protection.
(b) What is pagination? How can we manually create paginators? Also write code   **07**
snippet to paginate database results.

Q.4 **(a)** Explain the life cycle of Laravel Request object? How can we access it? Also **07**
explain mechanism to read uploaded files from Laravel.
(b) How can we implement Authentication in Laravel? Also explain how it works?   **07**

Q.5 **(a)** What is Response object in Laravel? How can we send response from Laravel? **07**
Also explain different methods to send file as response to browser.

(b) What is Middleware? How to Creating Custom Middleware and Binding   **07**
Middleware? How to Passing Parameters to Middleware.

Q.6 **(a)** What are accessors and mutators? Explain with code snippets.   **07**

(b) Explain Controller Organization and JSON Returns with Example.   **07**

Q.7 **(a)** What are different type of relationships we can define on models? Explain with **07**
proper code snippet.

(b) How many types of Notifications.? List out of Notifications. And Explain any four **07**
Notifications with Example.

Q.8 (a) Explain Laravel's mail functionality. what is Basic "classic" mail syntax? What is **07**
Basic "Mailable" Mail Usage with Example.

(b) How can we access session in Laravel? Explain the mechanism of writing and reading **07**
data from session.

****