

GYANMANJARI INNOVATIVE UNIVERSITY

Gyanmanjari Institute of Technology

B.Tech.- End Semester Examination (ESE)- Summer - 2026

Enrollment No.: 20230905090056

Date: 23/05/2026

Subject Code: BETCE16329

Semester: 6

Subject Name: Web Development Framework

Total Marks: 100

Time: 10:30AM To 01:30PM

Instructions:

1. Question No. 1 is Compulsory.
2. Make Suitable Assumptions wherever necessary.
3. Figures to the right indicate full marks.

Marks

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|---|----|
| Q.1 (a) Write Laravel command to create a new project. | 05 |
| (b) List and explain important Artisan CLI commands. | 05 |
| (c) Write Laravel API route that returns all student records as JSON response. | 10 |
| Q.2 (a) Explain security precautions while handling file uploads in Laravel. | 05 |
| (b) Explain advantages of RESTful APIs in modern web and mobile applications. | 05 |
| OR | |
| (b) What is .env file in Laravel? Explain its purpose. | 05 |
| (c) Explain how API Resource Controllers simplify CRUD operations in Laravel APIs. | 10 |
| OR | |
| (c) Write Laravel code to create middleware called CheckAdminAccess and register it. | 10 |
| Q.3 (a) Explain MVC architecture in Laravel with diagram. | 05 |
| (b) Explain how Eloquent ORM simplifies database operations compared to raw SQL queries. | 05 |
| (c) A developer wants login and registration system quickly. Explain how Laravel Breeze can be installed and used for authentication scaffolding. | 10 |
| OR | |
| (a) A college system needs departments and students tables. Explain how to create migrations and models for both tables. | 05 |
| (b) Write Eloquent code to retrieve all students belonging to a particular department. | 05 |
| (c) A teacher can teach many students. Explain One-to-Many relationship between Teacher and Student models with code. | 10 |



- Q.4 (a) Write a basic route example in Laravel to display "Welcome". 05
- (b) Write Artisan commands to generate EmployeeController, Employee model and migration file. Explain purpose of each. 05
- (c) Design a Laravel form to collect student name, email and branch and explain how form data is handled in controller. 10

OR

- (a) A Laravel project is created but database table is not generated. Explain how to run migrations and verify tables. 05
- (b) Define route parameters and explain their use by creating route /course/{course_id}. 05
- (c) Implement validation rules to ensure password must be minimum 8 characters and email must be unique. 10
- Q.5 (a) Write code to define route with parameter id. 05
- (b) Write Laravel code to redirect user from /home to /dashboard route. 05
- (c) Write example of logging error message. 10

OR

- (a) Write Eloquent code to insert new student record into students table. 05
- (b) Write Eloquent code to retrieve all students whose id is greater than 10. 05
- (c) A mobile application needs student data from Laravel backend. Explain how REST API routes can be created to return student data in JSON format. 10