QP Code: D153291	Total Pages: 1	Name:
		Register No.

FIFTH SEMESTER (CUFYUGP) DEGREE EXAMINATION, NOVEMBER 2026

COMPUTER APPLICATION

BCA5CJ302 Progressive Web Application using PHP

2024 Admission onwards

Maximum Time :2 Hours | **Maximum Marks :70**

Section A

All Questions can be answered. Each Question carries 3 marks (Ceiling: 24 Marks)

1	What is web programming? Distinguish between client-side scripting and server-side scripting.
2	What is URL? State its purpose in web communication.
3	What are semantic tags in HTML5? Give any three examples.
4	What are let and const in JavaScript?
5	What is an arrow function in JavaScript? Give an example.
6	What are variables and constants in PHP?
7	What is an associative array in PHP? Give an example.
8	What is Laravel? State any two advantages of using Laravel.
9	What is the MVC concept used in Laravel?
10	What is the purpose of the .env file in Laravel?

Section B

All Questions can be answered. Each Question carries 6 marks (Ceiling: 36 Marks)

11	Explain the HTTP request-response cycle.
12	Explain the CSS box model with its different components.
13	Explain Flexbox and its use in creating web page layouts.
14	Explain DOM manipulation in JavaScript with suitable examples.
15	Explain the $_GET and $_POST superglobal arrays in PHP.
16	Explain session management in PHP.
17	Explain how a PHP program can connect to a MySQL database using MySQLi.
18	Explain routing in Laravel and show how a basic web route is defined.

Section C

Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)

19	Explain HTML5 forms. Describe commonly used form controls and HTML5 validation attributes with suitable examples.
20	Explain the basic database operations CREATE, SELECT, INSERT, UPDATE and DELETE and their use in a PHP-based web application.