

**QP CODE**

**H1128**

**Enrollment Number: .....**

**Name: .....**

**BCA DEGREE EXAMINATIONS, MARCH 2026**

**Fourth Semester**

**BCA**

**B21CA02SE – Web Development using PHP MVC Framework**

**(2024 January Admissions)**

**Time: 3 Hours**

**Max Marks: 70**

**Section A**

**Answer any ten of the following questions in a word or sentence each. Each question carries 1 mark.**

1. The acronym for PHP is \_\_\_\_\_.
2. Name the software that handles HTTP Requests in XAMPP.
3. Which symbol is used to declare a variable in PHP?
4. What do you mean by an expression in PHP?
5. Identify the function used to create PHP Constants.
6. Mention the function in PHP that is used to validate an e-mail address.
7. Which superglobal array is used to store session variables?
8. Give the function used to get the value of a cookie in PHP.
9. What is an exception?
10. What does the 'throw' keyword do in PHP?
11. Identify the use of json\_encode( ) function in PHP.
12. Which JavaScript object is used to make AJAX calls?
13. What do you mean by a Web Application?
14. Identify the importance of Model View Controller framework architecture.
15. What is the name of Laravel's built-in Object Relational Mapping system?

**(1X10=10)**

**Section B**

**Answer any five of the following questions in two or three sentences each. Each question carries 2 marks**

16. Identify the role of Client and Server in Client-Server Computing.
17. What are the key features of PHP?
18. Write a PHP script that prints the message "Welcome".
19. Give the basic syntax to create a form using PHP.

20. How do you create a Cookies in PHP?
21. Define Relational Database. Identify the key feature of a Relational Database.
22. Identify the HTTP methods used in RESET API.
23. Differentiate functional and non-functional requirements of a Web Application.
24. What is the role of HTML templates and CSS styling in web application development?
25. Discuss the steps in hosting a Laravel application.

**(2X5=10)**

### **Section C**

**Answer any five of the following questions in one page each. Each question carries 4 marks**

26. Define a variable. Discuss the rules to be followed while naming a variable in PHP.
27. Describe the Scalar and Composite data types in PHP with an example.
28. Explain the types of argument passing to a user-defined function.
29. Discuss the GET and POST methods for sending form data.
30. Explain the key functionalities of a session.
31. Discuss the block diagram of PHP Database Connection workflow with a neat sketch.
32. Explain the four key layers of API Security.
33. Define pagination and explain its importance. Discuss how basic pagination is implemented in PHP.
34. Explain the benefits of using MVC(Model-View-Controller) framework architecture.
35. Discuss the key features of the CodeIgniter framework and the Laravel framework.

**(4X5=20)**

### **Section D**

**Answer any two of the following questions in three pages each. Each question carries 15 marks**

36. Describe the Arithmetic, Assignment, and Comparison operators used in PHP. Illustrate each with appropriate examples.
37. Explain the different types of Loop Structures supported by PHP with suitable examples.
38. Discuss the Three-Tier Architecture model and explain how it works with the MVC framework.
39. Explain the key stages in designing and developing a robust Database system for a Web Application.

**(15X2=30)**