

Dr. Babasaheb Ambedkar Open University
Term End Examination February – 2026

Course	: PGDCA	Date	: 13-Feb-2026
Subject Code	: PGDCA-202	Time	: 03:00pm to 05:15pm
Subject Name	: Web Application Development	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Explain architecture of a Web Application with diagram.
2. Describe the different types of data types available in PHP and illustrate each with an example.
3. What are built-in functions in PHP? Discuss their types and uses.
4. Discuss the concept of Regular Expressions in PHP and explain how they are used for pattern matching.
5. List and explain the three main APIs used to connect to a MySQL database server.

Section B

Answer the following (Attempt any four) (20)

1. Define Static and Dynamic Web Application.
2. Explain Constructor and Destructor methods in brief.
3. Describe the process of cloning an object and comparing objects in PHP using appropriate operators.
4. Define Final class and Abstract Class.
5. What is Session?
6. Define Cookies.

Section C

Part – A (Multiple Choice Questions) (10)

Q-1 A web application primarily follows which architecture?

- | | |
|------------------|------------------|
| A) Peer-to-Peer | B) Client/Server |
| C) Ring topology | D) Bus topology |

Q-2 PHP stands for:

- | | |
|----------------------------|------------------------|
| A) Personal Home Processor | B) Pre Hyper Processor |
| C) Hypertext Preprocessor | D) Private Home Page |

Q-3 Which of the following is the correct default PHP delimiter syntax?

- | | |
|-----------------|-----------------|
| A) <% php %> | B) <?php ?> |
| C) <script php> | D) <php> </php> |

Q-4 Which of the following is NOT a supported PHP data type?

- | | |
|--------------|------------|
| A) String | B) Float |
| C) Character | D) Boolean |

Q-5 Which symbol is used to declare a variable in PHP?

- A) #
- B) @
- C) \$
- D) &

Q-6 Which keyword is used to access a global variable inside a function?

- A) public
- B) static
- C) global
- D) extern

Q-7 Which control structure is used to execute a block of code repeatedly while a condition is true?

- A) if
- B) switch
- C) while
- D) break

Q-8 An associative array in PHP is indexed by:

- A) Numbers only
- B) Characters only
- C) Names (keys)
- D) Boolean values

Q-9 Which built-in function is used to define a constant in PHP?

- A) const()
- B) define()
- C) constant()
- D) create()

Q-10 Which of the following APIs can be used to connect PHP with MySQL?

- A) PDO
- B) mysqli
- C) MySQL extension
- D) All of these

Part – B (State whether the following statements are true or false)

(10)

- 1 HTML is a server-side scripting language.
- 2 A static website does not interact with a database.
- 3 PHP code is executed on the server before the page is sent to the browser.
- 4 PHP is a case-sensitive language for variable names.
- 5 The echo statement in PHP can be used to display output in the browser.
- 6 Cookies are stored permanently on the server.
- 7 Sessions are used to store user data across multiple pages.
- 8 The isset() function is used to check whether a variable is set and not NULL.
- 9 In PHP, form data sent using the POST method is visible in the URL.
- 10 MySQL is a relational database management system.
