

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

Course	: BCA	Date	: 11/07/2026
Subject Code	: BCAR-401	Time	: 3:00 PM to 5:15 PM
Subject Name	: Web Technology using FOSS (LAMP/WAMP)	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. What are Open Source Software? Compare Open-Source software with Closed-Source Software
2. Compare the GET and POST methods used in web forms, highlighting their differences in security and visibility
3. Discuss PHP Data Types in detail, categorizing them into simple and compound types
4. Explain DML and DCL commands with example.
5. Explain the process of connecting PHP to a MySQL database.

Section B

Answer the following (Attempt any four) (20)

1. Explain how to manage file permissions in Linux with an example.
2. Discuss pros and cons of Open-Source Software
3. What is SQL? Explain DDL commands with example.
4. Write a Short note on SQL Joins.
5. What are Regular Expressions? Explain the functions preg_match, preg_split, and preg_replace
6. Describe the difference between Cookies and Sessions for storing data in web applications

Section C

Part – A (Multiple Choice Questions) (10)

- 1 Which of the following is an example of an Open-Source Operating System?
A Windows B Linux
C macOS D iOS
- 2 Which command is used to find files in a Linux system?
A Search B find
C locate D Look
- 3 Which SQL command is used to remove all records from a table and reset the allocated space?
A DELETE B DROP
C TRUNCATE D REMOVE
- 4 The Command used to modify data of a table is _____
A SELECT B INSERT
C UPDATE D DELETE
- 5 _____ clause is used to sort the data in ascending or descending order.
A SORT BY B ORDER BY

- | | | |
|--|------------|--------|
| | C WHERE IN | D ASCE |
|--|------------|--------|
- 6 The WHERE clause in a SELECT statement is used for:

A Sorting	B Filtering
C Grouping	D Joining
 - 7 PHP originally stood for:

A Pre-Hypertext Processor	B Personal Home Page
C Private Hosting Page	D Programmed Hypertext
 - 8 Which function is used to count the number of elements in an array?

A length()	B count()
C size()	D total ()
 - 9 The fopen() mode 'a' stands for:

A All	B Append
C Array	D Access
 - 10 Which function is used to execute an SQL query in PHP?

A sql_execute()	B mysqli_query()
C run_query()	D db_query()

Part – B (Do as Directed)

(10)

- 1 A Process is a set of instructions loaded into memory (True / False)
- 2 Linux is a multi-user operating system. (True / False)
- 3 What is Shell?
- 4 The _____ Key uniquely identifies each record in a table and cannot contain NULL values
- 5 What is Tuple?
- 6 A table can have multiple Primary Keys.
- 7 The _____ operator in PHP is represented by a period (.)
- 8 PHP variable names are case-sensitive. (True / False)
- 9 Checking the input submitted by the user is known as _____
- 10 Cookies are stored on the web server. (True / False)
