

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

Course	: MCA	Date	: 17/02/2026
Subject Code	: MCA-202	Time	: 03:00pm to 05:15pm
Subject Name	: Web Application Development using PHP	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Define Open-Source Software (OSS). Explain the development philosophy and discuss the various pros and cons of OSS.
2. What is Linux System Administration? Explain the tasks involved in managing users and groups in a Linux environment.
3. Define RDBMS and explain the concepts of Entity, Domain, and Referential Integrity with examples.
4. Describe the main characteristics of PHP. Explain the different ways to embed PHP code into a web page.
5. What is Exception Handling? Explain the try, catch, and throw mechanism in PHP with a programming example.

Section B

Answer the following (Attempt any four) (20)

1. Differentiate between Open-Source Software and Closed-Source Software.
2. Explain Linux File Permissions (Read, Write, Execute) and the use of the chmod command.
3. Define and differentiate between DDL (Data Definition) and DML (Data Manipulation) SQL statements.
4. Explain the eight primary data types supported by PHP.
5. Compare the GET and POST methods for handling form data in PHP.
6. Explain the difference between `mysqli_fetch_row()` and `mysqli_fetch_assoc()`.

Section C

Part – A (Multiple Choice Questions)

(10)

- 1 Which command is used to search for files in Linux?
A. grep B. find C. locate D. cat
- 2 What is the range for a 'nice' value in Linux?
A. 20 to 19 B. 0 to 100 C. -10 to 10 D. 1 to 10
- 3 Which SQL keyword is used to remove a table structure?
A. DELETE B. TRUNCATE C. DROP D. REMOVE
- 4 PHP variables must start with which symbol?
A. # B. @ C. ! D. \$
- 5 Which function is used to find the length of a string in PHP?
A. size() B. length() C. strlen() D. count()
- 6 Which operator is used for string concatenation in PHP?
A. + B. * C. . D. &
- 7 Which function starts a new or resumes an existing session?
A. session_start() B. start_session() C. session_init() D. begin_session()
- 8 Which of the following is a DDL statement?
A. INSERT B. UPDATE C. CREATE D. SELECT
- 9 In PHP, which function is used to close a database connection?

- 10 A. mysql_close() B. mysqli_close() C. close_db() D. end_conn()
What is the default port for the Apache web server?
A. 21 B. 443 C. 80 D. 8080

(10)

Part – B (Do as Directed)

State whether the following statements are true or false

- 1 Open-source software development is a collaborative process.
- 2 The chown command is used to change file permissions in Linux.
- 3 A Primary Key column in a database can contain duplicate values.
- 4 PHP stands for Hypertext Preprocessor.
- 5 echo can take multiple parameters, while print can take only one.
- 6 PHP variables are not case-sensitive.
- 7 The mysqli_query() function is used to execute SQL queries in PHP.
- 8 Cookies are stored on the server-side.
- 9 foreach loop is specifically used to iterate through arrays in PHP.
- 10 TRUNCATE is a DML statement.
