

5 MJ 60513

THREE YEAR B.Sc. (Honours) DEGREE EXAMINATION, NOVEMBER/DECEMBER 2025.

FIFTH SEMESTER

Computer Science

Paper XIII – WEB APPLICATIONS DEVELOPMENT USING PHP AND MYSQL

(w.e.f 2023-24 Regulations)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

PART A — (5 × 4 = 20 marks)

Answer any FIVE questions.

1. What is a variable in PHP? How do you declare one?
2. Explain the purpose of constants in PHP.
3. How do you create an indexed array? Give an example.
4. Briefly explain the use of the strtotime() function.
5. What are the two main methods for submitting a form? Explain each.
6. How can you save state between pages using hidden fields?
7. What is a cookie? How is it set with PHP?
8. Explain the concept of a session ID.
9. Explain the difference between MySQL and MySQLi.
10. How do you create a simple database table using SQL?

PART B — (5 × 10 = 50 marks)

Answer ALL the following questions.

11. (a) Explain the different data types in PHP with suitable examples.

Or

- (b) Describe the various types of loops used in PHP with syntax and examples.

12. (a) Explain how to create an object and access its properties and methods.

Or

- (b) Explain how to format and manipulate strings in PHP using various built-in functions.

13. (a) Explain how to handle file uploads in PHP with a simple example.

Or

(b) How do you redirect a user from one page to another in PHP? Explain with an example.

14. (a) What is a session? Explain how to start a session, set session variables, and destroy a session.

Or

(b) How do you use sessions for user login and logout in a web application?

15. (a) Explain the steps involved in connecting to a MySQL database and retrieving data from a table.

Or

(b) Write a PHP script to create a record deletion mechanism for a database table.
