

October 2025
B.A./B.Sc.
Fifth Semester
DISCIPLINE SPECIFIC ELECTIVE – 1
COMPUTER SCIENCE
Course Code: CSD 5.11
(PHP Programming)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. (a) What is PHP? What are its key features? 1+2=3
(b) Write the basic syntax of PHP. Explain with an example. 1+3=4
(c) Explain the development environment of PHP in detail. 7
2. (a) Write a brief note on the early development of PHP. 4
(b) Explain the concept of variables and its scope in PHP. Give one example. 6+4=10

UNIT-II

3. (a) What is the purpose of using the form attributes method and action? Which form method should be used to send data securely? Give an example. 2+1+3=6
(b) Using an example explain the process of submitting data through an HTML form and processing the data using PHP script. 8
4. (a) Write a program in PHP to illustrate the use of GET method. (embed the PHP script in the HTML) 6
(b) Create a form that asks for a user's name, department, and email, and displays a message like "Thank you for submitting your email" using the POST method. (create separate files for HTML and PHP) 8

UNIT-III

5. (a) Write a PHP script that accepts a number and prints whether it is even or odd using if...else. Write code snippets replacing the if...else with the ternary operator. 5+1=6
- (b) Create an HTML form with fields: name and marks. Write PHP script that retrieves the input, prints grade (A, B, C, F) using if...else and PASS/FAIL using switch. 2+6=8
6. (a) Write a PHP script that takes a number from an HTML form and prints its multiplication table using for loop. 6
- (b) Create an HTML form that takes names and marks of five students. Write PHP script that retrieves the input, calculates their average, and displays it. Display the names using foreach. 3+5=8

UNIT-IV

7. (a) Define function. Explain the different ways of returning function value in PHP using appropriate examples. 1+6=7
- (b) Write PHP script that reads an integer using REQUEST superglobal variable and calculates the factorial using a user defined function called fact(). 7
8. (a) What are inbuilt functions? Explain any three inbuilt functions used in PHP. 1+6=7
- (b) Write PHP script that reads the date-of-birth, calculates and displays the current age of the person. 7

UNIT-V

9. (a) Write a PHP script that takes a string “Science College” and converts it to uppercase. Replace “Science College” with “Computer Science”. 3+4=7
- (b) Create an HTML form with the fields: name, mobile no.. Write PHP script that uses preg_match() to check if the given string is a valid mobile number (must start with 6 or 9 and contain exactly 10 digits). 3+4=7
10. (a) Explain the functions printf() and sprintf() using appropriate examples. 3+3=6

- (b) Write PHP script that reads the password of user and validate whether password is strong or not.
(Password should be at least 8 characters long, include 1 uppercase, 1 lowercase, 1 digit and 1 special character)

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