2022
B.A./B.Sc.
Fifth Semester
DISCIPLINE SPECIFIC ELECTIVE – 1
COMPUTER SCIENCE
Course Code: CSD 5.11
(PHP Programming)

Total Mark: 70   *Pass Mark: 28*
Time: 3 hours

Answer <u>five</u> *questions, taking* <u>one</u> *from each unit.*

UNIT–I

1. (a) Explain the basic syntax of PHP with proper example.   4
    (b) What are the benefits of using PHP?   4
    (c) Explain the use of local variables, global variables, and super global variables in PHP.   6

2. (a) What are variables? How are they different from constants?   1+2=3
    (b) What are the rules for naming variables in PHP?   4
    (c) Write a program to demonstrate the use of arithmetic operators in PHP.   7

UNIT–II

3. (a) How is $_REQUEST variable different from $_POST and $_GET variables?   2
    (b) What is the purpose of using isset( ) function?   2
    (c) Write a program that captures form data as elements of an array, Calculate and display the sum and average of the array elements.   10

4. (a) Differentiate the following with suitable example: 7×2=14
    (i) POST and GET form methods
    (ii) Radio buttons and checkboxes

UNIT–III

5. (a) What are non-looping conditionals and looping conditionals?   2
 (b) How can you break out of a loop or a switch case?   4
 (c) Write a program to read an integer and determine whether it is odd, even or prime.   8

6. (a) Explain the use of if-else statement with example.   4
 (b) Distinguish between for loop and foreach loop with suitable example.   10

UNIT–IV

7. (a) What is a function? What is the need of function?   1+3=4
 (b) Write a PHP program that reads an integer and calculates the factorial of the integer using a user-defined function called factorial( ).   10

8. (a) Explain the scope of a function.   4
 (b) Write a PHP program that reads three integers, uses a function to compare the numbers and returns the largest number.   10

UNIT–V

9. (a) Explain the following library functions: 4×2=8
    (i) strtolower( ) and ctype_lower( )
    (ii) strlen( ) and count( )
 (b) Write a PHP program that accepts a string from a user and checks whether it is a palindrome or not.   6

10. (a) Explain different ways of creating strings in PHP.   4
 (b) Differentiate between implode( ) and explode( ) function.   4
 (c) Explain str_replace( ) and join( ) functions with suitable examples.   6

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