2403129

UG (CBCS) (Second Year) Annual
EXAMINATION, 2024
B.SC. COMPUTER SCIENCE
PHP Programming
COMP203TH

Time : 3 Hours]   *[Maximum Marks : 70*

The candidates shall limit their answer precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt *Five* questions in all, selecting *one* question from each Unit I, II, III and IV from Part B. Q. No. 1 (Part A) is compulsory. All questions carry equal marks.

Part A

(Compulsory Question)

1. (a) Attempt all parts : $1 \times 10 = 10$

(i) What does PHP stand for ?

    (a) Personal Home Page

    (b) Preprocessed Hypertext Pages

    (c) PHP : Hypertext Preprocessor

    (d) Professional Hypertext Processing

(ii) Which keyword in PHP is used to start a loop ?

    (a) for

    (b) while

    (c) loop

    (d) iterate

(iii) Which function is used to output text in PHP ?

    (a) echo()

    (b) print()

    (c) printf()

    (d) display()

(iv) Which PHP function is used to split a string by a regular expression ?

    (a) preg_match()

    (b) preg_replace()

    (c) preg_split()

    (d) preg_match_all()

(v) Which of the following PHP functions is used to open a file for writing ?

    (a) fopen()

    (b) file_open()

    (c) open_file()

    (d) write_file()

(vi) Which PHP function is used to declare a user-defined function ?

(a) function_define( )

(b) define_function()

(c) function()

(d) declare_function()

Fill in the blank spaces :

(vii) ....PHP function is used to call a user-defined function.

(viii) ....operator is used for string concatenation in PHP ?

State whether the statements are True or False :

(ix) In PHP, Sessions are destroyed automatically when the browser is closed.   (True or False)

(x) The preg_match() function returns TRUE, if a match is found. (True or False)

(b) Answer the following in 25 to 50 words each :   4×5=20

(i) How do you declare a variable in PHP ? Provide an example.

(ii) What is the purpose of the GET and POST form methods in PHP ?

(iii) Describe the role of PHP in web development.

(iv) What is a regular expression, and what purpose does it serve in PHP ?

(v) Differentiate between indexed arrays and associative arrays in PHP.

Part B

Unit I

2. Discuss the basic syntax rules for writing PHP code, including rules for naming variables, functions, and constants. 10

3. Discuss the various types of operators supported in PHP. 10

Unit II

4. (a) Explain, how is form data sent to the server and retrieved using PHP. 5

   (b) Discuss, how to create an HTML form and specify the method (POST or GET). 5

5. Provide examples demonstrating the syntax and usage of for, while, do-while, and foreach loops. 10

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Unit III

6. (a) Explain the syntax for declaring a function in PHP, including the function name, parameters, and return type (if any). 5

   (b) Explain the difference between formal parameters and actual arguments. 5

7. Provide examples demonstrating how to declare, initialize, access, and manipulate arrays. 10

Unit IV

8. Explain the concept of string manipulation in PHP and discuss commonly used string functions with examples. 10

9. (a) Explain the purpose of regular expressions and their syntax in PHP. 5

(b) Provide examples demonstrating how to use functions like preg_match(), preg_replace(), and preg_split ()for pattern matching and manipulation. 5