

B.Sc. Semester-4 Examination

CC-204

Computer Science

April-2024

Time : 2-30 Hours]

[Max. Marks : 70

PHP With MySQL

- Q1(A) What does PHP stand for? Explain its significance in web development. (7)
- Q1(B) Differentiate between 'echo' and 'print' statements in PHP. Provide examples for each. (7)
- OR
- Q1(A) Explain the purpose of 'include' and 'require' statements in PHP. Provide an example usage of each. (7)
- Q1(B) What are PHP data types? List and briefly explain at least three of them. (7)
- Q2(A) Explain the difference between '=' and '==' in PHP. Provide examples. (7)
- Q2(B) What is the use of the '\$_GET' and '\$_POST' superglobals in PHP? Give an example of when each might be used. (7)
- OR
- Q2(A) Describe at least two methods to connect PHP with a MySQL database. (7)
- Q2(B) Explain the fundamental concept of functions in PHP. Discuss their significance in programming and how they contribute to code organization and reusability. (7)
- Q3(A) Discuss the role of parameters and arguments in PHP functions. Explain the difference between pass-by-value and pass-by-reference, and provide examples to demonstrate their usage. (7)
- Q3(B) How are return values handled in PHP functions? Explain the significance of return statements and how they enable functions to provide results to the calling code. Provide examples to illustrate returning values from functions. (7)
- OR
- Q3(A) Discuss the concept of variable scope in PHP functions. Explain the difference between local and global variables, and how they are accessed within functions. Illustrate with examples and discuss best practices for variable scope management. (7)
- Q3(B) Explore the concept of recursive functions in PHP. Explain how recursive functions work, their advantages, and provide examples of recursive functions solving common problems such as factorial calculation or Fibonacci sequence generation. (7)
- Q4(A) Describe the syntax for defining a function in PHP. Include the necessary components such as function name, parameters, return types, and the function body. Provide examples to illustrate different types of functions. (7)
- Q4(B) Define an array in PHP and explain how to access its elements using both numeric indices and associative keys. Provide examples for each method. (7)
- OR
- Q4(A) Explain the concept of multidimensional arrays in PHP. Provide a detailed example illustrating the creation, manipulation, and access of elements in a multidimensional array. (7)

Q4(B) Discuss the different methods available in PHP to traverse through an array, such as foreach loops, while loops, and for loops. Provide code examples demonstrating each method. (7)

Q5 MCQ Attempt any seven out of twelve.(2 Marks each) (14)

- 1) What does PHP stand for?
A) Personal Hypertext Processor
B) Preprocessed Hypertext Pages
C) PHP: Hypertext Preprocessor
D) Pre-Hypertext Processor
- 2) Which of the following tags is used to start a PHP code block?
A) <php> B) <script> C) <?php> D) <code>
- 3) Which of the following is not a valid PHP variable name?
A) \$my_variable B) \$_myVariable C) \$3variable D) \$variable_3
- 4) How do you end a PHP statement?
A) ; B) : C) . D) /
- 5) Which PHP function is used to retrieve the length of a string?
A) length() B) strlen() C) strlen() D) string_length()
- 6) What does the PHP function echo do?
A) Receives input from the user
B) Prints output to the screen
C) Concatenates strings
D) Performs mathematical operations
- 7) What is the correct way to start a PHP comment?
A) // B) <!-- C) # D) /*
- 8) Which PHP superglobal variable is used to access form data?
A) \$GET B) \$_REQUEST C) \$POST D) \$FORM
- 9) Which of the following is used to include the contents of one PHP file into another?
A) require() B) import() C) include() D) append()
- 10) What is the correct way to declare a constant in PHP?
A) define constant_name = value;
B) const constant_name = value;
C) constant constant_name = value;
D) constant_name = value;
- 11) How do you start a session in PHP?
A) session_begin(); B) session_start(); C) start_session(); D) initiate_session();
- 12) Which PHP function is used to redirect the user to another page?
A) header() B) redirect() C) forward() D) location()

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