PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCA DEGREE EXAMINATION DECEMBER 2025
(Fifth Semester)

Branch - COMPUTER APPLICATIONS

PHP AND MYSQL

Time: Three Hours   Maximum: 75 Marks

SECTION-A (10 Marks)
Answer **ALL** questions

ALL questions carry **EQUAL** marks   (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Which of the following symbol is used to declare a variable in PHP? a) # b) $ c) @ d) &	K1	CO1
	2	Show in PHP, which of the following statements correctly differentiates echo and print? a) echo can take multiple parameters, while print cannot. b) print is faster than echo. c) echo returns a value, but print does not. d) Both are identical in every aspect.	K2	CO1
2	3	Which of the following is the correct way to define a PHP function that returns a value? a) function myFunc { return 5; } b) function myFunc() { return 5; } c) myFunc() function { return 5; } d) return function myFunc() {5;}	K1	CO2
	4	Show in PHP 5, which of the following statements about static methods is correct? a) Static methods can be called without creating an object of the class. b) Static methods require an object instance to be called. c) Static methods cannot access static properties. d) Static methods are automatically destructed at the end of a script.	K2	CO2

3	5	Which of the following is a numerically indexed array in PHP?
		a) $arr = array("apple", "banana", "cherry");
		b) $arr = array("first" => "apple", "second" => "banana");
		c) $arr = array("name"=>"John", "age"=>25);
		d) $arr = "apple, banana, cherry";
			K1	CO3

	6	Identify in PHP, which loop is especially useful for iterating through associative arrays? a) for b) while c) foreach d) do-while	K2	CO3
4	7	Which PHP function is used to check whether a file exists? a) file_exist() b) fopen() c) file_exists() d) is_file()	K1	CO4
	8	Identify what will the following PHP code's output. printf("Today is %s", date("l")); a) Displays the current day of the week b) Displays the current date and time c) Displays only the current month d) Displays an error message	K2	CO4
5	9	Which PHP function is used to establish a connection to a MySQL database? a) mysqli_query() b) mysqli_connect() c) mysqli_close() d) mysqli_fetch_array()	K1	CO5

	10	Explain what will happen if a PHP script tries to connect to a non-existent MySQL database. a) The script will automatically create the database b) The script will display a connection error message c) The script will continue without an error d) The MySQL server will restart	K2	CO5

SECTION - B (35 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the structure of a PHP script with an example.	K2	CO1
		(OR)		
	11.b.	Discuss variable declaration and scope of variables in PHP with suitable examples.		
2	12.a.	Write a simple PHP script to calculate sum of digits of given number using functions.	K3	CO2
		(OR)		
	12.b.	Create a PHP class with a constructor, a destructor, and at least two methods.		
3	13.a.	Construct a PHP script that creates a multidimensional array to store student names and marks. Use a foreach loop to display each student's name and marks.	K3	CO2
		(OR)		
	13.b.	Demonstrate how to connect to a MySQL database via the command line and write SQL commands to create a database and a table.		
4	14.a.	Construct a PHP program to create a text file, write a message into it, and then read and display its contents on the web page.	K4	CO3
		(OR)		
	14.b.	Develop a PHP script to upload a file from a web form and display a confirmation message with the uploaded file name and size.		
5	15.a.	Explain how to establish database connectivity and perform result retrieval in PHP.	K4	CO4
		(OR)		
	15.b.	Construct a PHP program that performs delete operations on a MySQL table named "employees."		

SECTION -C (30 Marks)
Answer ANY THREE questions
ALL questions carry EQUAL Marks   (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Analyze the role of operators in PHP with a suitable example program.	K4	CO1
2	17	Design a PHP program that defines a function to calculate the factorial of a number and a class that has a method to display the result.	K4	CO2
3	18	Construct a PHP program that uses a numerically indexed array and an associative array to store product details (ID, Name, Price, Quantity). Write a function to calculate the total value of all products and display it.	K4	CO3
4	19	Design a PHP application that allows users to upload, rename, and move files within the server.	K4	CO3
5	20	Design a PHP web application that allows users to login using credentials stored in a MySQL database.	K4	CO5

Z-Z-Z END