

**Cont...**

**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.	Name and explain different PHP variable scopes with examples.	K2	CO1
	(OR)			
	11.b.	Find and list the main advantages of using Bootstrap for responsive web design.		
2	12.a.	Illustrate the use of passing parameters by value versus by reference in PHP functions with examples.	K3	CO2
	(OR)			
	12.b.	Explain different string handling functions in PHP and demonstrate their use with examples.		
3	13.a.	Develop a PHP script to connect with a MySQL database and retrieve all records from a given table.	K4	CO3
	(OR)			
	13.b.	Plan and implement a step-by-step procedure to insert new records into a MySQL table using PHP		
4	14.a.	Develop a JavaScript function that validates whether an entered email ID in a form is valid or not.	K4	CO3
	(OR)			
	14.b.	Apply the concept of recursion in JavaScript to calculate the factorial of a number.		
5	15.a.	Analyze the relationships between different jQuery UI interactions (Draggable, Droppable, Resizable, and Sortable) and their usage in web applications.	K3	CO4
	(OR)			
	15.b.	Distinguish the functionality of jQuery UI widgets (Accordion, Tabs, and Progress Bar) by dissecting their role in enhancing user experience.		

**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	Define and illustrate the steps for creating a dynamic PHP web page that processes form variables and displays results using Bootstrap components.	K4	CO1
2	17	Build an object-oriented PHP application using inheritance and interfaces to manage a library system with error handling and logging.	K4	CO2
3	18	Construct a complete PHP application that performs Create, Read, Update, and Delete (CRUD) operations on a student database.	K4	CO3
4	19	Analyze the differences between var, let, and const in JavaScript by inspecting their scope and re-declaration rules.	K4	CO4
5	20	Evaluate the importance of jQuery UI effects (Color Animation, Easing, Add Class, Remove Class) in improving modern web design aesthetics.	K4	CO5

Z-Z-Z

END