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**G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.**



**UG DEGREE END SEMESTER EXAMINATIONS - APRIL 2025.**

(For those admitted in June 2021 and later)

**PROGRAMME AND BRANCH: B.Sc., INFORMATION TECHNOLOGY**

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
V	PART - III	CORE	U21IT507	WEB PROGRAMMING USING PHP

**Date & Session: 24.04.2025/AN**

**Time : 3 Hours**

**Maximum 75 Marks**

Course Outcome	Bloom's K-level	Q. No.	<b>SECTION – A (10 X 1 = 10 Marks)</b> <b>Answer ALL Questions.</b>
CO1	K1	1.	The protocol used for sending emails is: a) HTTP                      b) FTP                      c) SMTP                      d) POP3
CO1	K2	2.	Client-side scripting differs from server-side scripting in that: a) It runs on the user's browser                      b) It requires a database c) It handles form validation on the server                      d) It uses PHP
CO2	K1	3.	PHP scripts are executed on: a) Client-side                      b) Server-side                      c) Both                      d) Database
CO2	K2	4.	The echo statement in PHP is used to: a) Declare variables                      b) Output data to the browser c) Connect to MySQL                      d) Create forms
CO3	K1	5.	Which PHP superglobal array stores data from URL parameters? a) \$_POST                      b) \$_GET                      c) \$_SESSION                      d) \$_COOKIE
CO3	K2	6.	The explode() function in PHP is used to: a) Split a string into an array                      b) Merge arrays c) Delete files                      d) Handle sessions
CO4	K1	7.	The rand() function in PHP generates: a) A random integer                      b) A file handle                      c) A session ID                      d) A cookie
CO4	K2	8.	Cookies in PHP are stored: a) On the server                      b) In the database c) On the client's browser                      d) In HTML forms
CO5	K1	9.	The MySQL function mysqli_connect() is used to: a) Execute a query                      b) Fetch data c) Establish a database connection                      d) Create tables
CO5	K2	10.	The mysqli_fetch_assoc() function returns a result row as: a) An object                      b) A numeric array c) An associative array                      d) A JSON string
Course Outcome	Bloom's K-level	Q. No.	<b>SECTION – B (5 X 5 = 25 Marks)</b> <b>Answer ALL Questions choosing either (a) or (b)</b>
CO1	K3	11a.	Explain the HTTP request-response cycle with a diagram.
			<b>(OR)</b>
CO1	K3	11b.	Create an HTML form with fields for name, email, and password. Add basic validation using HTML attributes.

CO2	K3	12a.	Write a PHP script to declare variables of different data types (string, integer, float) and display them. <b>(OR)</b>
CO2	K3	12b.	Compare static HTML and server-side scripting with examples.
CO3	K4	13a.	Write a PHP function to calculate the factorial of a number using recursion. <b>(OR)</b>
CO3	K4	13b.	Explain the difference between \$_GET and \$_POST with code examples.
CO4	K4	14a.	Write PHP code to read a text file and display its content line by line. <b>(OR)</b>
CO4	K4	14b.	How do sessions work in PHP? Write code to store and retrieve session data.
CO5	K5	15a.	Write PHP code to connect to a MySQL database and fetch all records from a table named students. <b>(OR)</b>
CO5	K5	15b.	Design an HTML form to insert data into a MySQL database using PHP. Include validation.

Course Outcome	Bloom's K-level	Q. No.	<p align="center"><b>SECTION – C (5 X 8 = 40 Marks)</b>  <b>Answer <u>ALL</u> Questions choosing either (a) or (b)</b></p>
CO1	K4	16a.	Analyze the HTTP request-response cycle and explain how dynamic web pages are generated. Include a diagram. <b>(OR)</b>
CO1	K4	16b.	Design a multi-page website with HTML, including forms, tables, and navigation links. Discuss ethical considerations in web programming.
CO2	K5	17a.	Evaluate the role of server-side scripting in web development. How does PHP enhance interactivity compared to static HTML? <b>(OR)</b>
CO2	K5	17b.	Create a PHP script to demonstrate variable operations and type juggling. Explain implicit vs explicit type conversion.
CO3	K5	18a.	Critically assess the use of superglobal arrays (\$_GET, \$_POST) for passing data between pages. When is \$_SESSION preferred? <b>(OR)</b>
CO3	K5	18b.	Develop a PHP function to handle form data submission using \$_POST and sanitize inputs to prevent SQL injection.
CO4	K6	19a.	Analyze the security risks of using cookies for user authentication. How do sessions mitigate these risks? <b>(OR)</b>
CO4	K6	19b.	Design a user login system using PHP sessions and cookies. Include code for session expiration and logout functionality.
CO5	K5	20a.	Evaluate the MySQLi functions in PHP. How do mysqli_connect(), mysqli_query(), and mysqli_fetch_assoc() work together? <b>(OR)</b>
CO5	K5	20b.	Build a CRUD application (Create, Read, Update, Delete) using PHP and MySQL. Include forms, validation, and a responsive table display.