School of Engineering and Technology

(Accredited by NAAC with Grade 'A+')

Ref. No: CSOET/CA/2024/45   **Date: 18/05/2024**

NOTICE
(Batch 2022, SEM II)

Test Type: End Term Examinations   **Test No:** I   **Total Marks:** 60   **Duration:** 180 mins

Name of Course Coordinator: Mr. Rinku   **Course Code:** CA117

Course Title: Web Programming using PHP

Exam Date: 22/05/2024   **Day:** Wednesday   **Time:** 9:30 AM   **Mode:** Offline

Programme & Semester: BCA & Sem IV

Syllabus for Test:

Sr No.	Topics
1.	**Introduction to PHP and Xampp server:** Introduction, Overview of PHP Structure and Syntax, Installing, Configuring and Running PHP (XAMPP and MySql). Server Side Scripting overview.
2.	**Learning PHP syntax and variables:** Identifiers, Variables, Data Types, Defined Constants, Operators and Expressions.
3.	**PHP Control Structure:** Branching Statement (if statement, if else statement and Switch statements), Looping Statement:(For, While and do-while loops), Break and continue Statements.
4.	**Passing information using PHP Forms:** HTML Form Fields (Controls), PHP Form Handling, Super global variables, $_GET, $_POST, $_REQUEST, Form Validations.
5.	**Implementing Functions:** User-Defined Functions in PHP, Scope of Variables: Global and Local Variables, Creating Static Function Variables, Recursion, Returning Values from Function.
6.	**Arrays** Creating Arrays, Using the Array Operator, Counting Number of Elements in Array, Assigning Values from an Array to Multiple Variables, Multidimensional Arrays, Navigating Arrays, Using foreach, Using the Internal Pointer, Checking if an Element Exists, Changing the Array of Keys, Sorting an Array by Its Keys, Manipulating Arrays, Sorting Multidimensional Arrays, Merging Arrays.
7.	**String Handling** Formatting Strings, Comparing Strings, Extracting Data from Strings, Modifying Strings, Modifying Substrings by Offset, Extracting Data with Regular Expressions, Pattern Replacement with Regular Expressions
8.	**PHP State Management:** State management using Sessions, create session, reading information from session variable and create Cookies, reading information from cookies, delete cookies.

9.	**PHP Advance:** Handling Date(), Include(), Handling Files , File Upload
10.	**Emails using PHP:** Using mail() function and SMTP for sending emails
11.	**DataBase Connectivity with MySQL** Connecting to MySQL from PHP, Basic Connection Functions, Creating Databases and Tables from MySQL console and from phpMyAdmin.

Format of Assessment/Sessional Examination: End Term Examinations

No. of Questions: 20(1 marks), 4(2 marks), 4(3 marks), 4(5 marks)

Remarks, if any:

Signature of Course Coordinator: Mr. Rinku