

Discipline Specific Elective- 4 : Semester –VI

DSE-4 Web Designing with PHP and MySQL

BLOCK – I

Unit-1:Introducing PHP – Introducing PHP, first PHP script,PHP Language Basics,Decisions and Loops

Unit-2: Arrays- one dimensional arrays, two dimensional array, reading,initializing, printing arrays,Functions-Functions – What is a Function? Why Functions are useful? Calling Functions, Working with Variable Functions, Writing your own Functions, Working with References, Writing Recursive Functions

Unit-3:Objects – Introduction OOP Concepts, Creating Classes and Objects in PHP, Creating and using Properties, Working with Methods, Object Overloading with `_get()`, `_set()` and `_call()`, Using Inheritance to Extend Power of Objects, Constructors and Destructors, Automatically Loading Class Files,

BLOCK-II

Unit-4:Handling HTML Forms with PHP - How HTML Forms Work, Capturing Form Data with PHP, Dealing with Multi-Value Fields,Generating Web Forms with PHP, Storing PHP Variables in Forms,Creating File Upload Forms, Redirecting after a Form Submission

Unit-5:Preserving State With Query Strings, Cookies, and Sessions - Saving State with Query Strings, Working with Cookies, Using PHP Sessions to Store Data

Unit-6:Working with Files and Directories - Understanding Files and Directories,Getting Information on Files, Opening and Closing Files, Reading and Writing to Files

BLOCK-III

Unit-7:Writing to Files, Copying, Renaming, and Deleting Files, Working with Directories, Building a Text Editor

Unit-8:Introducing Databases and SQL - Deciding How to Store Data, Understanding Relational Databases, Setting Up MySQL, A Quick Play with MySQL, Connecting MySQL from PHP

Unit-9 : Retrieving Data from MySQL with PHP - Setting Up the Book Club Database, Retrieving Data with SELECT, Creating a Member Record Viewer,

BLOCK-IV

Unit-10 :Manipulating MySQL Data with PHP– inserting, updating, deleting records, Building a Member Registration Application, Creating a Members' Area, Creating a Member Manager Application

Unit-11: , Making Your Job Easier with PEAR - Installing PEAR Packages,Using a PEAR Package,Creating HTML Tables with the HTMLTable Package, Web Forms the Easy Way with HTML_QuickForm

Unit-12:PHP and the Outside World - Working with Dates and Times, Working with HTTP, Getting Information from the Web Server Sending Email

Practicals

- 1 a) Write a PHP script to find whether the given number is a prime or not.
- b) Write a PHP script to demonstrate the use of break, continue statements using nested loops.
- 2) Write a PHP script to display the Fibonacci sequence with HTML page.
- 3) Write a PHP script to create a chess board.
- 4 a) Write a PHP script using built-in string function like strstr(), strpos(), substr_count(), etc...
- b) Write a PHP script to transform a string to uppercase, lowercase letters, make a string's first character uppercase.
- 5 a) Write a PHP script that inserts a new item in an array in any position.
- b) Write a PHP function to check whether all array values are strings or not.
- 6 a) Write a PHP script to count number of elements in an array and display a range of array elements.
- b) Write a PHP script to sort a multi-dimensional array set by a specific key.
- 7 a) Write a PHP script using a function to display the entered string in reverse.
- b) Write a PHP script using function for sorting words in a block of text by length.
- 8 a) Write a PHP script for creating the Fibonacci sequence with recursive function.
- b) Write a PHP script using pass by value and pass by reference mechanisms in passing arguments to functions.
- 9 a) Write a PHP script to demonstrate the defining and using object properties.
- b) Write a PHP script to demonstrate the inheritance.
- 10 a) Write a PHP script to demonstrate the object overloading with _get(), _set(), and _call().
- b) Write a PHP script to demonstrate the overloading property accesses with _get() and _set().
- 11 a) Write a PHP script to demonstrate the method overloading and method overriding mechanisms.
- b) Write a PHP script to demonstrate the use of final classes and final methods.
- 12 a) Write a PHP script to demonstrate the use interfaces.
- b) Write a PHP script using constructors and destructors.
- 13 Write a PHP application to handling HTML forms with PHP script.
- 14 a) Write a PHP script to create a file, write data into file and display the file's data.
- b) Write a PHP script to check and change file permissions, copying, renaming and deleting files.