PHP Programming and MySQL	L	P	C
	3		3

Discipline(s) / EAE / OAE	Semester	Group	Sub-group	Paper Code
CSE-in-EA	7	OAE-CSE-EA	OAE-2	FSD-435T
EAE	7	FSD-EAE	FSD-EAE-3	FSD-435T

Marking Scheme:
1. Teachers Continuous Evaluation: 25 marks
2. Term end Theory Examinations: 75 marks

Instructions for paper setter:
1. There should be 9 questions in the term end examinations question paper.
2. The first (1st) question should be compulsory and cover the entire syllabus. This question should be objective, single line answers or short answer type question of total 15 marks.
3. Apart from question 1 which is compulsory, rest of the paper shall consist of 4 units as per the syllabus. Every unit shall have two questions covering the corresponding unit of the syllabus. However, the student shall be asked to attempt only one of the two questions in the unit. Individual questions may contain upto 5 sub-parts / sub-questions. Each Unit shall have a marks weightage of 15.
4. The questions are to be framed keeping in view the learning outcomes of the course / paper. The standard / level of the questions to be asked should be at the level of the prescribed textbook.
5. The requirement of (scientific) calculators / log-tables / data – tables may be specified if required.

Course Objectives :

1.	Learn how to take a static website and turn it into a dynamic website run from a database using PHP and MySQL.
2.	Analyze the basic structure of a PHP web application and be able to install and maintain the web server, compile, and run a simple web application.
3.	Learn how databases work and how to design one, as well as how to use php MyAdmin to work with MySQL.
4.	Learn different ways of connecting to MySQL through PHP, and how to create tables, enter data, select data, change data, and delete data. Connect to SQL Server and other data sources.

Course Outcomes (CO)

CO 1	Interpret the server side scripting PHP and create dynamic web pages.
CO 2	Outline the advanced concepts of PHP and design web pages to authenticate users.
CO 3	Develop server side programs using PHP and accessing database through PHP.
CO 4	Design web pages to authenticate users using Cookies.

Course Outcomes (CO) to Programme Outcomes (PO) mapping (scale 1: low, 2: Medium, 3: High)

	PO01	PO02	PO03	PO04	PO05	PO06	PO07	PO08	PO09	PO10	PO11	PO12
CO 1	3	2	3	2	3	1	-	-	3	2	3	2
CO 2	3	2	3	2	3	1	-	-	3	2	3	2
CO 3	3	2	3	2	3	1	-	-	3	2	3	2
CO 4	3	2	3	2	3	1	-	-	3	2	3	2

UNIT-I

Introduction to PHP: Evaluation of PHP, Basic Syntax, Defining variable and constant, PHP Data type, Operator and Expression, Decisions and loop: Making Decisions, Doing Repetitive task with looping, Mixing Decisions and looping with Html, Function: What is a function, Define a function, Call by value and Call by reference, Recursive function, String Creating and accessing, String Searching & Replacing String, Formatting String, String Related Library function

UNIT-II

Array Anatomy of an Array, Creating index based and Associative array Accessing array, Element Looping with

Index based array, Looping with associative array using each () and foreach(), Some useful Library function, Handling Html Form with PHP Capturing Form, Data Dealing with Multi-value filed, and Generating File uploaded form, redirecting a form after submission

UNIT-III

Working with file and Directories: Understanding file& directory, Opening and closing, a file, Coping, renaming and deleting a file, working with directories, Creating and deleting folder, File Uploading & Downloading, Session and Cookie: Introduction to Session Control, Session Functionality What is a Cookie, Setting Cookies with PHP. Using Cookies with Sessions, Deleting Cookies, Registering Session variables, Destroying the variables and Session.

UNIT - IV

Introduction to RDBMS: Connection with MySql Database, Performing basic database operation (DML) (Insert, Delete, Update, Select), Setting query parameter, Executing queryJoin (Cross joins, Inner joins, Outer Joins, Self joins.)

Textbook(s):
1. Dave W Mercer, Allan Kent, Steven D Nowicki, David Mercer, Dan Squier, Wankyu Choi, "Beginning PHP".
2. RasmusLerdorf and Kevin Tatore , "Programming PHP"

References:
1. Learning PHP, MySQL, books by ' O' riley Press
2. PHP, MySQL and Apache by Julie C Meloni. Pearson Education