

SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

B.C.A. Semester – VI

US06BCA21 : Web Programming using PHP

(Syllabus Effective from June 2020)

Credits : 4

External : 70 Marks

Contact Hrs per Week : 4

University Examination Duration: 3 Hrs

All units carry equal weightage

Unit	Description in detail
I	Introduction to PHP History of PHP, Features Merits and Demerits of PHP, General structure of PHP, Displaying Output, Escaping Special Characters, Comments, Variables – (Declaring, Assigning, Destroying), Datatypes, Setting and Testing Datatypes – Constants -Operators (Arithmetic, Comparison, Logical, Assignment, Concatenation) – Superglobal variables
II	PHP Basics Control structures – Looping structures - 1-D Array & its manipulation (Storing Data, Assigning, Accessing Array Elements, Displaying) - User-Defined Functions, Function Scope
III	Advanced PHP and Form Interaction Working with Number, Strings functions, Working with Dates and Time –Creating tables using PhpMyAdmin, Interaction with HTML form, Validating HTML Form - Error checking or Exiting – Introduction to Regular Expression, File handling
IV	Database programming and PHP Introduction to MySQL: Features, Merits and Demerits - MySQL data types and constraints -Working with Forms PHP and MySQL Integration – Basic SQL Commands (Insert, Update, Delete, Select) – MySQL functions (mysql_connect, mysql_select_db, mysql_query, mysql_num_rows, mysql_fetch_array, mysql_fetch_field, mysql_close) –Generating reports using PHP and MySQL - Introduction and use of Session - Introduction and use of Cookies

Basic Text & Reference Books :-

1. PHP – A Beginner’s guide, Vikram Vaswani, TMH 2009
2. Web enabled commercial application development using HTML, Javascript, DHTML and PHP by Ivan Bayross, BPB Publication.
3. Beginning PHP5 By Dave Mercer, Allan Kent, Steven Nowicki, David Mercer, DanSquier, Wankyu Choi, Wrox Publication
4. Professional PHP by Castagnetto Jesus, Shroff Publication