

SARDAR PATEL UNIVERSITY
Programme: B.Sc (Information Technology)
Semester: VI
Syllabus with effect from: November - 2013

Paper Code: US06CINT02	Total Credit: 3
Title of Paper: Web Application Development Using PHP	

Unit	Description in detail	Weightage (%)
I	Basics of PHP and Control Structures Introduction to PHP, Advantages of PHP, Basic PHP Syntax. Variable in PHP. GET Method. POST Method. PHP Operators. Arithmetic, Increment/decrement. Assignment, Comparison, Logical. Ternary, String. Control Structures. if Statement, If...else, Elseif. switch, while, do-while. for, foreach. break, continue.	25%
II	Array and Functions. Array. Array Functions : (List, is_array, count, sizeof, in_array, current, next, prev, end, each, array_walk, Sort, rsort, array_merge, array_combine, array_values, array_reverse, array_push, array_pop). User Define Functions. Function arguments. Default argument values. Variable-length argument lists. Returning values. Variable functions	25%
III	Miscellaneous Functions, Session and Cookies. String Functions : (chr, strtolower, strtoupper, ucfirst, ucwords, strlen, substr, strcmp, strcasecmp, substr_count, str_replace, strrev). Maths Functions : (abs, ceil, floor, fmod, min, pow, sqrt, exp, rand, bindec, octdec, hexdec, decbin, decoct, dechex). Date/Time Functions : (date, getdate, checkdate, time, localtime). File Functions : (fopen, fread, fwrite, fclose, file_exists, is_readable, is_writable, fgets, fgetc, file, file_get_contents, file_put_contents, ftell, fseek, copy, rename, filesize, filetype). Session. Cookies.	25%



IV	<p>My SQL Functions Introduction to MySQL. Installing MySQL. MySQL user Administration. PHP Myadmin. MySQL Data types. Connecting to MySQL. mysql_connect, mysql_close, mysql_select_db. MySQL Queries. mysql_query (create, insert, select, update, delete). mysql_list_dbs, mysql_list_tables. mysql_list_fields, mysql_free_result. Fetchig Data. mysql_num_rows, mysql_affected_rows. mysql_fetch_array, mysql_fetch_row. mysql_fetch_object, mysql_num_fields. mysql_fetch_field, mysql_field_name. mysql_field_type, mysql_field_len. mysql_field_table, mysql_errno, mysql_error.</p>	25%
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Basic Text & Reference Books:

- SAMS Teach Yourself PHP4 in 24 Hours by Matt Zandstra
- A Programmer's Introduction to PHP 4.0 by W. J. Gilmore

