

II B.C.A - IV SEMESTER

PHP PROGRAMMING

17UC AAM12

UNIT I

Building blocks of PHP: Basic syntax – Variables- Data Types- Operators- expressions and constants. **Flow Control:** Switch flow – Loops- Code Block- Sending data to the browser. **Arrays:** Introduction - Creating arrays- Array related Functions. **Function:** Definition- Types – Pre defined Functions – User Defined Functions - String Operations.

UNIT II

Forms: Form creation - Form Data Validation – Form Data Access - Hidden Fields - Redirecting User - File Upload and Sending Mail on Form Submission. Cookies and User Session: Introduction - Setting a Cookie with PHP - Session Security- Starting a Session - Session Variables - Passing Session Id in the query String - Session Destruction - Unsetting Variables. Error Handling and Debugging: Error types - Debugging- Displaying PHP errors - Error Report - Custom Error Handler - PHP Debugging **Techniques Filter:** Types of Filter – Filter Functions - Data Validation.

UNIT III

Database Design Process: Good Database Design - Types of Table Relationship- Normalization. SQL Command: Table Creation Command - Insert row - Select Command - Update Command - Delete Command - Replace Command - String Function - Date and Time Functions - Stored Procedures- Join- Indexing and Sorting Records.

UNIT IV

MySQL with PHP: MySQL connection- Database Selection - Simple Queries – Select Records - Records Counting – Update Records – Delete Records. MYSQL Error Handling: SQL and MySQL Debugging Techniques - Database connection with DSN- ODBC Connectivity Function.

UNIT V

Files: Files Inclusion- File creation – File Deletion – Operations on Files – File Validation - Directories: Directory Related Function - \$DIR object. Images: Image Related Function- Miscellaneous Function - Introduction to OOPS: Overview - Auto Loading Objects – Class – Extends – Constructs - Scope Resolution Operator – Parent- Serializing Object - Magic Objects Sleep and Awake - Reference inside the constructor-

Comparing Objects. Visibility – Overloading Object – Interface - Pattern - Magic Method
- Exception.

Reference Books:

1. Begging PHP 5 - Wrox.
2. Julie C. Meloni, PHP MySQL and Apache, SAMS Teach Yourself, Pearson Education.