

# PHP COURSE SYLLABUS

## HTML:

### **1) INTRODUCTION TO HTML**

#### **2) HTML DOCUMENTS**

2.1 Dividing the document into 2 parts.

2.1.1 : Headers

2.1.2 : Body

2.2 Tags:

2.2.1: Format.

2.2.2: Representing 2 types of tag (odd and even)

2.3 Elements of an HTML Document

2.3.1 : Text Elements

2.3.2 : Tag Elements

#### **3)STRUCTURAL ELEMENTS OF HTML DOCUMENTS**

3.1 Header tags

3.2 Body tags.

3.2.1 : Paragraphs

3.2.2 : Titles

3.2.3 : Lists

3.2.3.1 : Numbered list

3.2.3.2 : Non-Numbered lists

3.2.3.3 : Defition List

#### **4)FORMATTING HTML DOCUMENTS**

- 4.1 Tags used in table definition
- 4.2 Tags used for border thickness
- 4.3 Tags used for cell spacing
- 4.4 Tags used for table size
- 4.5 Dividing table with lines
- 4.6 Dividing lines with cells
- 4.7 Cell types
  - 4.7.1 Titles cells
  - 4.7.2 Data cells

## **5)HYPERTEXT AND LINK IN HTML DOCUMENTS**

- 5.1 Types of links.
  - 5.1.1 Internal Links
  - 5.1.2 External Links
- 5.2 Link Tags
- 5.3 Links with images and buttons

## **CSS:**

### **1)CSS Introduction**

### **2)CSS Syntax and Selectors**

#### 2.1 CSS Selectors

##### 2.1.1 The element Selector

- 2.1.2 The id Selector
- 2.1.3 The class Selector
- 2.1.4 Grouping Selectors
- 2.1.5 CSS Comments

### **3)CSS How To...**

#### 3.1 External style sheet

3.1.2 Internal style sheet

3.1.3 Inline style

3.1.4 Multiple Style Sheets

### **4)CSS Colors**

### **5)CSS Backgrounds**

5.1 Background Color

5.2 Background Image

### **6)CSS Borders**

6.1 Border Color

6.2 Border Width

6.3 Border Style

## **7)CSS Margins**

## **8)CSS Padding**

## **9)CSS Text**

9.1.1 Text Alignment

9.1.2 Text Decoration

9.1.3 Text Transformation

## **10)CSS Fonts**

10.1 Font Family

10.1.2 Font Style

10.1.3 Font Size

10.1.4 Font Weight

## **JAVASCRIPT**

1)INTRODUCTION

2)Syntax,Variables,

## 3)Operators

3.1 Arithmetic Operators

3.2 Comparison Operators

3.3 Logical (or Relational) Operators

3.4 Assignment Operators

3.5 Conditional (or ternary) Operators

## 4)STATEMENTS

4.1 if statement

4.2 if...else statement

4.3 if...else if... statement.

## 5)SWITCH

## 6)LOOPING

6.1 while Loop

6.2 do...while Loop

6.3 For Loop

6.4 for...in loop

6.5 Loop Control

## 7) Functions

## 8) Events

- 8.1 onclick Event Type
- 8.2 onsubmit Event type
- 8.3 onmouseover and onmouseout
- 8.4 HTML 5 Standard Events

## 9) Javascript Objects

## 10)ERROR HANDLING

# PHP

## 1)What is PHP?

## 2)PHP Syntax

## 3)Comments

## 4)Echo and Print (print output)

## 5)DataTypes

## 6)Variables

## 7)Constants

## 8)Operators

### 8.1 Arithmetic Operators

### 8.2 Assignment Operators

### 8.3 Comparison Operators

### 8.4 Logical Operators

## 9) String Functions

## 10) Conditional Statements

10.1 if statement

10.2 if...else statement

10.3 if...elseif....else statement

10.4 switch statement

## 11) LOOPING STATEMENTS

11.1 while – loops

11.2 do...while

11.3 for – loops

11.4 foreach

11.5 Break statement

11.6 Continue statement

## 12) FUNCTIONS

12.1 PHP Built-in Functions

12.2 PHP User-Defined Functions

## 13) VARIABLES

13.1 Local Variable

13.2 Static Variable

13.3 global Variable

## 14) Arrays

14.1 Indexed Arrays

14.2 Associative Arrays

14.3 Multidimensional Arrays

14.4 Sorting Arrays

4.5 ARRAY FUNCTIONS

## 15) Php Form

`$_POST`

`$_GET`

`$_REQUEST`

## 16) Super Global Variables in PHP

- `$GLOBALS`
- `$_SERVER`
- `$_REQUEST`
- `$_POST`
- `$_GET`
- `$_FILES`
- `$_COOKIE`
- `$_SESSION`

## PHP-ADVANCED

1) Date and Time

2) PHP - File Inclusion

3) Cookies

4) Session

5) querystring

6) die()



## 7)File system

7.1 fopen() - Create File

7.2 fwrite() - write data into file

7.3 fread() - Read a File

7.4 file\_get\_contents() - Read all contents from File

7.5 file\_put\_contents() - write more contents into File

7.6 fclose() - close a File

7.7 fgets() - Read a single line

7.8 fgetc() - Read a single character

7.9 unlink() - delete file

7.10 Append to File - fwrite()

## 8)File upload

## 9)Form validation

Client-Side Validation using javascript

Server -Side Validation

## 10)Stored procedure

## 11)Pagination

## 12)PHP JSON

## MYSQL:

1)BASIC MYSQL

2)MYSQL CREATE

3)MYSQL INSERT

4)MYSQL SELECT

5)MYSQL UPDATE

6)MYSQL DELETE

7)MYSQL TRUNCATE

8)MYSQL DROP

### **9)SQL QUERYING**

9.1 WHERE CONDITIONS

9.2ORDER BY

9.3GROUP BY

9.4HAVING,LIKE

9.5AND OR OPERATORS

### **10)SQL FUNCTIONS**

10.1 AVG

10.2 COUNT

10.3 SUM

10.4 MIN

10.5 MAX

10.6 LCASE

10.7 UCASE