

Unit 1: Introduction

1.	Define : Open Source Software.
2.	Explain development philosophy of open Source technology.
3.	Explain pros and cons of open source technology.
4.	Differentiate: open source software vs close source software
5.	Define. Web page, website, web browser and web server.
6.	Explain static website and dynamic website.
7.	What is scripting language? Explain client side and server side scripting language.

Unit 2: PHP configuration and basic

1.	Explain PHP features.
2.	Write down the steps that how PHP code is parsed?
3.	Explain with example how PHP and HTML code embedded. How to write and execute PHP script? Explain with example.
4.	Explain data types of PHP with example.
5.	Explain different operators of PHP with example.
6.	What is the role of variable? Define the rule to declaring variable in PHP with example.
7.	Explain comments in PHP with example.
8.	Why PHP is said to be loosely typed language? Also, explain the datatypes available in PHP.
9.	How to declare comments in PHP?
10.	How to define variable in PHP? Also, list the rules for PHP variables.
11.	How to define constant in PHP?
12.	Explain the print_r() and var_dump() functions with suitable example.
13.	What is the use of isset() and unset()?
14.	PHP is case insensitive language. (True/False). Justify your answer.

Unit 3: Control Structures

1.	Explain if conditional statement with syntax and example.
2.	Explain if...else conditional statement with syntax and example.
3.	Explain if....elseif conditional statement with syntax and example.
4.	Explain switch conditional statement with syntax and example.
5.	Explain while looping statement with syntax and example.
6.	Explain do while looping statement with syntax and example.
7.	Explain for looping statement with syntax and example.

8.	Explain foreach looping statement with syntax and example.
9.	What is array? Explain how to create array in PHP with syntax and example.
10.	Explain indexed array and associative array with syntax and example.
11.	Explain multi-dimensional array with example.
12.	Explain exit(), die() and return.
13.	What is String in PHP?
14.	<div>Explain the string function for following with suitable examples.<ul style="list-style-type: none">▶ Replacing characters within string▶ Searching Strings▶ Number of occurrences in string▶ Searching for a Set of Characters▶ Replacing All Occurrences▶ Replacing a Portion of a String</div>

Unit 4: Function in PHP

1.	What is a function? Why do we use function? List the type of function.
2.	Explain at least seven array functions with appropriate syntax and examples.
3.	Explain at least seven string functions with appropriate syntax and examples.
4.	Explain at least seven PDF functions with appropriate syntax and examples.
5.	Explain at least seven file functions with appropriate syntax and examples.
6.	Explain CSV functions with appropriate syntax and examples.
7.	Explain user defined functions with all types with examples.
8.	Define: actual parameter, formal parameter
9.	How we can pass default values in UDF explained with an example.
10.	Explain call by value and call by reference with example.

Unit 5: Working with Data

1.	Explain HTML form elements with examples.
2.	Explain HTML form input types with examples.
3.	List down PHP super global variables.
4.	Explain \$_GET, \$_POST, \$_REQUEST with examples.
5.	Explain session in PHP with appropriate examples.
6.	Explain cookies in PHP with appropriate examples.
8.	What is PDO? Explain the benefits of using PDO.
9.	How to open and close a MySQL Database connection using PDO? Explain with suitable example.

10.	List and explain about PDO error functions.
11.	How to terminate the script execution?
12.	Explain the prepare(), bindparam(), bindbvalue() and execute() methods with example.
13.	How to execute the SQL statement in PHP? Also explain about accessing of query result information. OR Write a syntax to create a database and table using PHP and MySQL. How to insert records in MySQL table using PHP? How to retrieve records from MySQL using PHP? How to count the no. of rows retrieved from MySQL table?

Unit 6: PHP Utilities

1.	Explain enctype attribute of form tag in HTML.
2.	Explain move_uploaded_file() with appropriate syntax and example.
3.	Explain pathinfo() with appropriate syntax and example.
4.	Explain [name] attribute of \$_FILES super global variable with appropriate example.
5.	Explain [size] attribute of \$_FILES super global variable with appropriate example.
6.	Explain [type] attribute of \$_FILES super global variable with appropriate example.
7.	Explain [tmp_name] attribute of \$_FILES super global variable with appropriate example.
8.	Explain [error] attribute of \$_FILES super global variable with appropriate example.
9.	What are the advantages of ajax? How it work with PHP?