**MIT Arts, Commerce & Science College, Alandi, Pune**

**T.Y.BSc (Computer Science)**

**SEM – III**

**Paper -IV**

**Web Development & PHP Programming -I**

**Question Bank**

**Chapter 1 – Introduction to Web Techniques**

* 1. What is PHP?
  2. Define web server &web browser?
  3. Explain server side scripting & client side scripting?
  4. Write any 5 web browser name?
  5. Write any two conditions which return false Boolean value?
  6. What is HTTP?
  7. Write any 5 web server name?
  8. Explain lexical structure?
  9. Explain how PHP page execute?
  10. What is type juggling?
  11. What is type casting?
  12. What is variable? Explain its rule.
  13. Explain the scope of the variable with its all types?
  14. Which are the different data types available in PHP?
  15. What are the different types of operators used in PHP?
  16. Explain HTTP request & HTTP response?
  17. Why “HTTP is stateless” explain?
  18. Write the difference between explicit type casting & type juggling?
  19. Explain the scope of static variable in PHP with suitable example?
  20. Explain loop control structure with suitable example?
  21. Explain the bitwise operator with suitable example?
  22. Explain flow control statement with suitable example?
  23. What is garbage collection?
  24. What is the difference between single quote & double quote string?
  25. Explain foreach loop with suitable example?

**Chapter 2 – Function & String**

* 1. What is function?
  2. State the use of print\_r () function?
  3. Write a short note on default parameters?
  4. Explain variable parameters with suitable example?
  5. What is anonymous function?
  6. Write the difference between built in function & user defined function?
  7. Explain types of string in PHP?
  8. What is here a document?
  9. Explain any three printing function with example?
  10. What is encoding & escaping?
  11. Explain any three comparing strings function with example?
  12. Explain any five string manipulating function with example?
  13. Explain exploding & imploding function with example?
  14. Explain any five string searching function with example?
  15. What is regular expression?
  16. How to remove leading and trailing spaces of the strings?
  17. State the difference between extract () and compact () function?
  18. How to return multiple values from function?
  19. Explain the parameters of function with example?
  20. How to define multiline string in PHP?
  21. Write a function to convert username in uppercase to lowercase and vice versa?
  22. Explain the following function with syntax and example?
      + Substr ()
      + Substr\_replace ()
      + Str\_pad ()
      + Strstr ()
      + Str\_repeat ()
  23. State the difference between strcmp () & strcasecmp ()?
  24. How to replace all occurrence of string using regular expression?
  25. What is POSIX ?

**Chapter 3 – Arrays**

1. What is array?
2. Explain index & associative array with example?
3. How to store data in array?
4. Explain multidimensional array with example?
5. Explain 5 extracting multiple values from array?
6. Explain array\_splice () & array\_chunk () with example?
7. Explain extract () & compact () function with example?
8. How to traversing array with different ways?
9. How to search an element from array using built in function?
10. How to search an element from array without using built in function?
11. State the purpose of array\_walk ()?
12. Write a short note sorting on array?
13. Distinguish between array\_slice () and array\_splice ()?
14. What is an indexed array? Explain different iterator functions in array?
15. What is the difference between in\_array () and array\_search ()?
16. Write a php function to find union of two arrays?
17. Write a PHP script for check string is palindrome or not using array stack function?
18. Write a PHP script to find max and min from array?
19. How to remove any element from array?
20. Explain array stack & queue function suitable example?
21. Write function to count number of times given element occur in array?
22. How will you find number of elements in array?
23. Differentiate between array\_search () and in\_array ()?
24. State the purpose of range ()?
25. Write a PHP function to combine two arrays?

**Chapter 4 – Introduction to Object Oriented Programming**

1. How to create class in PHP
2. How to create an object in PHP?
3. What is inheritance? Explain with suitable example.
4. Explain the use of scope resolution operators?
5. What is introspection? Explain with suitable example to express usage of introspection?
6. What is the purpose of $this & extends?
7. What are serializable objects in PHP?
8. Explain constructor & destructors in PHP?
9. What is overriding in PHP with suitable example?
10. Explain abstract class with suitable example?
11. Explain interface in php with suitable example?
12. Explain the difference between abstract class & interface?
13. What is encapsulation with suitable example?
14. How to block a class for further inheritance?
15. How to access properties and methods explain with example and also explain $this variable?
16. Define the relationship between a class and an object?
17. If we inherit a class do the private variables also get inherited?

**Chapter 5 – Files & Directories**

1. How to create directory in PHP?
2. How to read directory in PHP. Give suitable example?
3. Write a PHP script to accept a directory name and print it’s all subdirectories?
4. How will you determine the size of a file?
5. Write a php script to accept file name with no extension and list all the files with given filename?
6. Explain how to read directory in php. Give suitable script?
7. Write a php script to accept the directory name and print the files with extension .bak?
8. Explain reading and writing files with suitable examples. Also explain modes of files?
9. Explain the function required to remove file?
10. Write a PHP script to accept two filename and append second file to first file?
11. Compare between include () and require ()?
12. Explain function with syntax and example unlink ()?
13. How to delete a file?
14. How to open a file to write content in that?
15. What function used to open a file for reading and writing?
16. What is the use of opendir () function?
17. How to find the end of file?
18. Explain any two directory function?
19. What is the use of file pointer in files?
20. Give any two functions of random access to file data?
21. Write a PHP script to read a file line by line?
22. How to read entire files?
23. Explain function with syntax and example fpassthru ()?
24. Explain the different modes of files?
25. State the purpose of mkdir () function?

**Chapter 6 – Web Techniques**

1. State difference between GET and POST method?
2. What is a cookie?
3. Explain in detail concept of sessions?
4. What is HTTP?
5. Explain in detail file update with example?
6. What is use of $HTTP\_GET\_VARS?
7. Write the purpose of $HTTP\_POST\_FILES?
8. Write a short note on SSL?
9. Explain any 5 predefined superglobal variables?
10. What are magic quotes?
11. Explain GET methods & its advantage and disadvantage?
12. Explain POST methods & its advantage and disadvantage?
13. Explain form validation in detailed?
14. What is sticky form?
15. Explain parameters of headers?
16. Explain “HTTP is stateless”?
17. State difference between session and cookies?
18. Write a php script to check how many times the web page acess by using cookies?
19. Write a note on self processing form with suitable example?
20. Write a php script to select backcolor and forecolor from two lists and set he same to the page?
21. How can get the cookie values and destroy the cookie?
22. How many ways can get the value of current session id?
23. What does SID session returns?
24. How can encrypt the username and password using PHP?
25. What function would you use to redirect the browser to a new page?
26. How to get the user’s IP address in PHP?
27. How to destroy the session?
28. Explain how to set the cookie?