

(FOR THE CANDIDATES ADMITTED

SUBJECT CODE

23 UCT 515

DURING THE ACADEMIC YEAR 2023-24 ONLY)

REG.NO.

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : NOVEMBER – 2025

B.Sc. – Computer Technology

MAXIMUM MARKS: 75

V SEMESTER

TIME : 3 HOURS

PART – III

OPEN SOURCE TECHNOLOGIES

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Which of the following is a valid way to start a PHP block?
a) <php> b) <?php c) <script php> d) <?
2. In PHP, foreach is used for _____
a) String manipulation b) Array iteration c) File handling d) Database connection
3. _____ function is used to read a file line by line in PHP.
a) fgets() b) file() c) readline() d) fget()
4. _____ MySQL command is used to add new data into a table.
a) UPDATE b) INSERT c) ADD d) CREATE
5. How do you insert comments in Python?
a) // comment b) <!-- comment --> c) # comment d) /* comment */

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. Define a constant in PHP with an example
7. Define associative array in PHP.
8. Write the syntax to define a function in PHP
9. List the purpose of the mysqli_connect() function.
10. How do you open a file for writing in Python?

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K3)

11. a) Write a PHP script to accept user input from an HTML form and display it

(OR)

- b) List the PHP data types with one example for each.

12. a) Demonstrate a PHP program using for loop to display numbers from 1 to 10

(OR)

- b) Write PHP code to store names of 5 students in an indexed array and display them.

(CONTD 2)

13. a) Discuss the PHP script to read the content of a file and display it.
(OR)
b) Describe constructor and destructor in a class in PHP. Give example
14. a) Explain how to insert a record into a MySQL table using PHP
(OR)
b) Discuss the error handling procedures in SQL.
15. a) Write a Python program to check whether a given number is even or odd
(OR)
b) Define and explain the use of packages used in python.

SECTION – C (5 X 8 = 40 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.

(K4/K5)

16. a) Make use of the basic development concepts in PHP and write a sample PHP script
(OR)
b) Illustrate how form handling works in PHP with GET and POST methods
17. a) Discuss different types of arrays in PHP with examples
(OR)
b) Analyze conditional statements in PHP with examples
18. a) Discuss file handling in PHP with read/write operations
(OR)
b) Write a PHP program to list all files in a given directory
19. a) Write PHP code to update and delete records from a MySQL table.
(OR)
b) Consolidate the steps for switching between multiple databases in PHP
20. a) Summarize the Python control structures with suitable examples
(OR)
b) Explain Python classes and objects with an example program