NGM COLLEGE (AUTONOMOUS) POLLACHI

END-OF-SEMESTER EXAMINATIONS: MAY-2023

B. Sc-Computer Science (Aided & SF)   **MAXIMUM MARKS: 70**

IV SEMESTER   **TIME: 3 HOURS**

PART III

OPEN SOURCE TECHNOLOGY

SECTION – A   **(10 X1 = 10 MARKS)**

ANSWER THE FOLLOWING QUESTIONS
MULTIPLE CHOICE QUESTIONS   **(K1)**

1. PHP Stands for _____
    a) Hypertext Processor   b) Hypertext Preprocessor
    c) Hypermarkup Preprocessor   d) Hypermarkup Processor

2. Which of the following is the correct way to create a function in PHP?
    a) Create myFunction()   b) New_functionmyFunction( )
    c) function myFunction()   d) None of the above

3. In PHP, in order to access MySQL database you will use_____
    a) mysqlconnect() function   b) mysql-connect() function
    c) mysql_connect() function   d) sql_connect() function

4. Use the _____ to delete the data inside the table, and not the table itself
    a) DROP TABLE   b) TRUNCATE TABLE
    c) DELETE TABLE   d) REMOVE TABLE

5. What is the default extension for Apache configuration files?
    a) .conf   b) .con   c) .configuration   d) .txt

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES   **(K2)**

6. What are the data types available in PHP to declare variable?

7. What is variable scope in PHP?

8. Define MySQL query.

9. What is Stored Procedures in MySQL?

10. What is Apache error log?

SECTION – B   **(5 X 4 = 20 MARKS)**
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.   (K3)

11.   (a) What is Operator? Explain the comparison and logical operators.
                                    (OR)
        (b) Explain the execution of switch Statement with syntax.

12.   (a) Explain how to save state between function calls with the 'static' statement.
                                    (OR)
        (b) What are Python Arrays & How to use them? Explain with example.

13.   (a) Write short notes on MySQL Data Types.
                                    (OR)
        (b) Discuss the frequently used string functions in MySQL.

14.   (a) What are Transactions? How to use transactions in MySQL? Explain with code.
                                    (OR
        (b) How to call MySQLi function in PHP? Explain.

15.   (a) Summarize the apache authentication module functionality.
                                    (OR)
        (b) Comment on standard apache access logging and error logging.

SECTION – C   **(4 X 10 = 40 MARKS)**
ANSWER ANY FOUR OUT OF SIX QUESTIONS.
(16TH QUESTION IS COMPULSORY AND ANSWER ANY THREE
QUESTIONS FROM Q.NO: 17 TO 21)   **(K4) OR (K5)**

16.   Explain the following command with suitable example code
        (i).SELECT   (ii). WHERE   (iii).UPDATE   (iv).REPLACE

17.   Explain the execution of for( ) and while() loop statements with flowchart, syntax and
        example code

18.   With an example, explain PHP Functions with parameters

19.   How can we create a database using PHP and MySQL? Write a program to access MySQL
        table from PHP.

20.   Discuss the procedure to connect MySQL with PHP. Give suitable code.

21.   Justify how to optimize table structure and queries using commands.