ST. JOSEPH STUDY CENTRE

12ᵗʰ STD: Mid Term Test-2   **COMPUTER SCIENCE**   **Timing: 1 Hr 30 mins / Total Marks: 50**

I. Choose the correct answer   [15 × 1 = 15]

1. Which commands provide definitions for creating table structure, deleting relations, and modifying relation schemas?

    a. DDL   b. DML   c. DCL   d. DQL

2. Which command lets to change the structure of the table?

    a. SELECT   b. ORDER BY   c. MODIFY   d. ALTER

3. The command to delete a table is

    a. DROP   b. DELETE   c. DELETE ALL   d. ALTER TABLE

4. Queries can be generated using

    a. SELECT   b. ORDER BY   c. MODIFY   d. ALTER

5. The clause used to sort data in a database

    a. SORT BY   b. ORDER BY   c. GROUP BY   d. SELECT

6. A CSV file is also known as a _____

    a. Flat File   b. 3D File   c. String File   d. Random File

7. The expansion of CRLF is

    a. Control Return and Line Feed   b. Carriage Return and Form Feed

    c. Control Router and Line Feed   d. Carriage Return and Line Feed

8. Which of the following module is provided by Python to do several operations on the CSV files?

    a. py   b. xls   c. csv   d. os

9. Which of the following mode is used when dealing with non-text files like image or exe files?

    a. Text mode   b. Binary mode   c. xls mode   d. csv mode

10. The command used to skip a row in a CSV file is

    a. next()   b. skip()   c. omit()   d. bounce()

11. Which of the following is a string used to terminate lines produced by writer()method of csv module?

    a. Line Terminator   b. Enter key   c. Form feed   d. Data Terminator

12. What is the output of the following program?

```
import csv
d=csv.reader(open('c:\PYPRG\ch13\city.csv'))
next(d)
for row in d:
    print(row)
    if the file called "city.csv" contain the following details
    chennai,mylapore
    mumbai,andheri
```
    a. chennai,mylapore   b. mumbai,andheri

    c. chennai   d. chennai,mylapore, mumba mumbai, andheri

13. Which of the following creates an object which maps data to a dictionary?

    a. listreader()   b. reader()   c. tuplereader()   d. DictReader ()

14. Making some changes in the data of the existing file or adding more data is   called

    a. Editing   b. Appending   c. Modification   d. Alteration

15. What will be written inside the file test.csv using the following program

    import csv

```
D = [['Exam'],['Quarterly'],['Halfyearly']]
csv.register_dialect('M',lineterminator = '\n')
with open('c:\pyprg\ch13\line2.csv', 'w') as f:
wr = csv.writer(f,dialect='M')
wr.writerows(D)
close()
```

a. Exam Quarterly Halfyearly

b. Exam Quarterly Halfyearly

c. E

  Q

  H

d. Exam,

  Quarterly,

  Halfyearly

II. Answer any 5 of the following questions: [5 × 2 = 10]

16. Write a query that selects all students whose age is less than 18 in order wise.

17. Differentiate Unique and Primary Key constraint.

18. Write the difference between table constraint and column constraint?

19. What is CSV File?

20. Mention the two ways to read a CSV file using Python.

21. Mention the default modes of the File.

22. What is use of next() function?

III. Answer any 5 of the following questions: [5 × 3 = 15]

23. What is a constraint? Write short note on Primary key constraint.

24. Write a SQL statement to modify the student table structure by adding a new field.

25. Write any three DDL commands.

26. Write a SQL statement using DISTINCT keyword.

27. Write a Python program to read a CSV file with default delimiter comma (,).

28. What is the difference between the write mode and append mode.

29. What is the difference between reader() and DictReader() function?

IV. Answer the following questions: [2 × 5 = 10]

30. a) Write the different types of constraints and their functions.   [OR]

    b) Consider the following employee table. Write SQL commands for the qtns.(i) to (v).

EMP CODE	NAME	DESIG	PAY	ALLO WANCE
S1001	Hariharan	Supervisor	29000	12000
P1002	Shaji	Operator	10000	5500
P1003	Prasad	Operator	12000	6500
C1004	Manjima	Clerk	8000	4500
M1005	Ratheesh	Mechanic	20000	7000

    (i) To display the details of all employees in descending order of pay.

    (ii) To display all employees whose allowance is between 5000 and 7000.

    (iii) To remove the employees who are mechanic.

    (iv) To add a new row.

31. a) Tabulate the different mode with its meaning.   [OR]

    b) Write the different methods to read a File in Python.