

STD: XII
Time: 1.30 Hrs.

NOVEMBER MONTHLY TEST
COMPUTER SCIENCE
PART - I

Marks: 50
Lesson: 15 & 16

I. Choose the best Answer:

10 X 1 = 10

1. Which of the following is a control structure used to traverse and fetch the records of the database?
 - a) Pointer
 - b) Key
 - c) Cursor
 - d) Insertion point
2. The function that returns the largest value of the selected column is
 - a) MAX()
 - b) LARGE()
 - c) HIGH()
 - d) MAXIMUM()
3. Which of the following is called the master table?
 - a) sqlite_master
 - b) sql_master
 - c) main_master
 - d) master_main
4. _____ is simple relational database systems.
 - a) DBMS
 - b) SQL
 - c) SQLite
 - d) MySQL
5. _____ is the master table which holds key information about your database table.
 - a) SQLite
 - b) Sqlite_master
 - c) MySQL
 - d) SQL_Master
6. Which is a python package used for 2D charts?
 - a) matplotlib.pyplot
 - b) matplotlib.pip
 - c) matplotlib.numpy
 - d) matplotlib.plt
7. _____ is a collection of resources assembled to create a single unified visual display.
 - a) Interface
 - b) Dashboard
 - c) Objects
 - d) Graphics
8. _____ is a type of chart which displays information as a series of data points connected by straight line segments.
 - a) csv
 - b) Pie chart
 - c) Bar chart
 - d) All the above
9. _____ is the most popular data visualization library in python.
 - a) Matplot
 - b) Matplots
 - c) Matplot library
 - d) Matplotlib
10. Which chart shows relationship between numerical variable and a categorical variable?
 - a) Pie Chart
 - b) Bar Chart
 - c) Bar Plot
 - d) b & c

PART - II

II. Answer any five questions. Question No. 17 is compulsory:

5 X 2 = 10

11. Which method is used to connect a database? Give an example.
12. Write the command to populate record in a table. Give an example.

13. What is Cursor?
14. Short note on SQL AND, OR and NOT Operators
15. What is Data Visualization?
16. List the types of Visualizations in Matplotlib.
17. Define Dashboard.

PART - III

III. Answer any five questions. Question No. 24 is compulsory. 5 X 3 = 15

18. What is SQLite? What is its advantage?
19. What is the use of Where Clause. Give a python statement Using the where clause.
20. Short note on: sqlite_master.
21. Define SELECT Query.
22. Write any three uses of data visualization.
23. Define legend ().
24. How will you install Matplotlib?

PART - IV

IV. Answer all the questions. 3 X 5 = 15

25. a) Write in brief about SQLite and the steps used to use it.

(OR)

b) Explain in detail Clauses in SQL.

26. a) What is the use of HAVING clause. Give an example python script

(OR)

b) Explain in detail the types of pyplots using Matplotlib.

27. a) Explain the various buttons in a matplotlib window.

(OR)

b) Explain the purpose of the following functions:

- a. plt.xlabel b. plt.ylabel c. plt.title d. plt.legend() e. plt.show()