TVL12CS

Tirunelveli District
Common Second Mid Term - 2024

Standard 12
Time: 1.30 Hours   **COMPUTER SCIENCE**   Marks: 35
Part - I

Choose the most suitable answer: **10×1=10**

1) Relational database model was first proposed by
   a) EF Codd   b) EE Codd   c) EF Cadd   d) EF Coddes

2) What Symbol is used for SELECT statement?
   a) σ   b) π   c) x   d) Ω

3) The command to delete a table is
   a) DROP   b) DELETE   c) DELETEALL   d) ALTER TABLE

4) The clause used to sort data in a database
   a) SORT BY   b) ORDER BY   c) GROUP BY   d) SELECT

5) SQL stands for
   a) Structured Question Language   b) Structured Query Language
   c) Standard Query Language   d) Standard Question Languages

6) SQLite falls under which database system
   a) Flat file database system   b) Relational database system
   c) Hierarchical database system   d) Object oriented database system

7) Which is a python package used for 2D charts?
   a) matplotlib.pyplot   b) matplotlib.pip
   c) matplotlib.numpy   d) matplotlib.plt

8) Importing C++ program in a python program is called
   a) wrapping   b) downloading   c) Interconnecting d) parsing

9) The module which allows you to interface with the operating system is
   a) OS module   b) Sys module
   c) CSV module   d) getopt module

10) Which of the following is an organised collection of data?
    a) Database   b) DBMS   c) Information   d) Records

Part - II
Answer any 3 from the given questions. Q.No. 15 is compulsory.   **3×2=6**

11) List some examples of RDBMS?
12) Differentiate unique and Primary key constraint?
13) What is CSV file?
14) Write the expansion of (i) SWIG (ii) MinGW
15) Write the output for the following Python Program?
    set_A={'A', 2, 4, 'D'}
    set_B={'A', 'B', 'C', 'D'}
    Print(set_A & set_B)

Part - III
Answer any 3 from the given questions. Q.No. 20 is compulsory.   **3×3=9**

16) What is the role of DBA?
17) Explain object Model with example?
18) Write any three DDL commands
19) What is the difference between the write mode and append mode?
20) What is sys-argv? What does it contain?

Part - IV
Answer the following.   **2×5=10**

21) a) Explain the characteristics of RDBMS   **(OR)**
    b) Write a SQL statement to create a table for employee having any five
       fields and create a table constraint for the employee table.
22) a) Differentiate Excel file and CSV file   **(OR)**
    b) Write any 5 features of Python.

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