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Melacauvery - Kumbakonam, Thanjavur District
(28.11.24)

SECOND TERM TEST NOVEMBER - 2024
COMPUTER SCIENCE

12 – STD

TIME : 1.30 Hrs

MAX. MARKS : 35

PART –A

CHOOSE THE BEST ANSWERS.   10 X 1=10

1. Who is called Father of Relational Database from the following?
   (A) Chris Date (B) Hugh Darween (C) Edgar Frank Codd (D) Edgar Frank Cadd
2. A tuple is also known as (A) table (B) row (C) attribute (D) field
3. Which is reduces data redundancy and improves data integrity?
   a) Data storage b) Data access c) Normalization d) all the above
4. The command to delete a table is : (a) DROP (b) ALTER TABLE (c) DELETE (d) DELETE ALL
5. Which is a Data Control Language command in SQL? (a) Alter (b) Grant (c) Truncate (d) Commit
6. The clause used to sort data in a database :
   (a) GROUP BY (b) SORT BY (c) SELECT (d) ORDER BY
7. The module which allows interface with the Windows Operating System is :
   (a) csv module (b) OS module (c) getopt module (d) sys module
8. The expansion of CRLF is :
   (a) Control Router and Line Feed (b) Control Return and Line Feed
   (c) Carriage Return and Line Feed (d) Carriage Return and Form Feed
9. Which of the following mode is used when dealing with non-text files like image or exe files?
   (a) Text made (b) Binary mode (c) xls mode (d) CSV mode
10. The Command used to skip a row in a CSV file: (a) next() (b) skip() (c) omit() (d) bounce()

Part- B

Answer any Three questions, (compulsory question 15).   3 x 2 = 6

11. What are the advantages of DBMS?
12. What is CSV File?
13. Differentiate unique constraint and primary key constraint
14. Write the syntax of getopt.getopt method.
15. What is the difference between Hierarchical and Network data model?

Part- C

Answer any Three questions, (compulsory question 20).   3 x 3 = 9

16. Write note on types of DBMS users.
17. Differentiate PYTHON and C++.
18. What is the difference between the write mode and append mode.
19. Write a SQL statement using DISTINCT keyword.
20. Differentiate Excel file and CSV file.

Part- D

Answer all questions.   2 x 5 = 10

21. (a) Differentiate DBMS and RDBMS.   [OR]
    (b) Explain the types of constraints in SQL with suitable example.
22. (a) Write the rules to be followed to format the data in a CSV file.   [OR]
    (b) Write any 5 features of Python.