

STD: XII
Time: 1.30 Hrs.

OCTOBER MONTHLY TEST
COMPUTER SCIENCE
PART - I

Marks: 50
Lesson: 11 to 14

I. Choose the best Answer:

10 X 1 = 10

1. Which database model represents parent-child relationship?
(a) Relational (b) Network (c) Hierarchical (d) Object
2. Relational database model was first proposed by
(a) E F Codd (b) E E Codd (c) E F Cadd (d) E F Codder
3. _____ reduces the data redundancy and improves data integrity.
(a) Normal (b) Simple (c) Complexity (d) Normalization
4. Queries can be generated using
(a) SELECT (b) ORDER BY (c) MODIFY (d) ALTER
5. _____ is a database management systems
(a) MySQL (b) DML (c) RDBMS (d) SQL
6. 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
7. 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
8. The default mode of CSV file in reading and writing is _____ mode.
(a) Image (b) Binary (c) Text (d) Excel
9. A framework for interfacing Python and C++ is
(a) Ctypes (b) SWIG (c) Cython (d) Boost
10. _____ refers to a set of run time header files.
(a) IDE (b) BOOST (c) GNU (d) MinGW

PART - II

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

5 X 2 = 10

11. What is data consistency?
12. What is the difference between SQL and MySQL?

13. What are the types of DML?
14. What is use of next() function?
15. What is CSV File?
16. What is the use of modules?
17. Write the syntax for getopt.getopt function.

PART - III

III. Answer any five questions. Question No. 24 is compulsory.

5 X 3 = 15

18. What is the role of DBA?
19. Write a SQL statement using DISTINCT keyword.
20. Write the differences between **DELETE, TRUNCATE AND DROP** statement.
21. Write a Python program to modify an existing file.
22. What is the difference between reader() method and DictReader() class?
23. What is sys.argv? What does it contain?
24. Write the steps to executing C++ Program using control statement in python.

PART - IV

IV. Answer all the questions.

3 X 5 = 15

25. a) Explain the characteristics of RDBMS.

(OR)

- b) What are the Components of DBMS?

26. a) What are the components of SQL? Write the commands in each.

(OR)

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

27. a) Write the rules to be followed to format the data in a CSV file.

(OR)

- b) How will you add a new row in CSV?