



Standard 12
COMPUTER SCIENCE

Time: 1.30 Hours

Marks: 50

Part - I**I. Answer all the questions:****10×1=10**

- 1) What type of relationship does hierarchical model represents?
 - a) One-to-one
 - b) one-to-many
 - c) many-to-one
 - d) many-to-many
- 2) ER-model was developed in the year
 - a) 1972
 - b) 1974
 - c) 1976
 - d) 1978
- 3) Which command lets to change the structure of the table?
 - a) CHANGE
 - b) ORDER BY
 - c) MODIFY
 - d) ALTER
- 4) Find out the odd man out
 - a) MS-SQL server
 - b) Micro Soft Access
 - c) Dbase
 - d) IBM DB2
- 5) Which of the following creates an object which maps data to a dictionary?
 - a) Dictreader()
 - b) reader()
 - c) tuplereader()
 - d) ListReader()
- 6) The statement `f=open("sample.txt")` equivalent to the mode
 - a) X or a
 - b) r or rt
 - c) w or rt
 - d) w or a
- 7) `Getopt()` will return an empty array if there is no error in splitting strings to
 - a) argv variable
 - b) opt variable
 - c) args variable
 - d) ifile variable
- 8) A scripting language requires
 - a) Modules
 - b) interpreter
 - c) compiler
 - d) Python
- 9) The function that returns the largest value of the selected column is
 - a) MAX()
 - b) LARGE()
 - c) MAXIMUM()
 - d) HIGH()
- 10) is collection of resources assembled to create a single unified visual display
 - a) Interface
 - b) Graphics
 - c) Objects
 - d) Dashboard

Part - II**II. Answer any 5 questions and question no.13 is compulsory:****5×2=10**

- 11) What is Data Base Management System?
- 12) What is Data Consistency?
- 13) Write note on "TABLE CONSTRAINT".
- 14) Write the purpose of CSV file.
- 15) What is g++?
- 16) Which method is used to connect a database? Give an example.
- 17) Define: Data Visualization

Part - III**III. Answer any 5 questions and question no.21 is compulsory:****5×3=15**

- 18) Explain object model with example.
- 19) Write the use of ROLLBACK command with an example.

V12CS

- 20) What is the difference between write mode and append mode.
- 21) Write a Python program to read specific column in a CSV file
- 22) What is sys.argv? What does it contain?
- 23) Differentiate fetchall() and fetchmany()
- 24) Write the various buttons in matplotlib window.

Part - IV**IV. Answer all the questions:****3×5=15**

- 25) What is relational algebra? Explain any two relational algebra operations from set theory

(OR)

Explain the various forms of SELECT commands in Mysql.

- 26) Differentiate Excel file and CSV file.

(OR)

Write a C++ program to print boundary elements of a matrix and name the file as border.cpp and write a Python program to execute the border.cpp.

- 27) Write in brief about SQLite and the steps used to use it.

(OR)

What are the key differences between Histogram and Bar graph?
