CHRIST THE KING MATRICULATION HR. SEC. SCHOOL, KUMBAKONAM – 612 001.

STD: XII   **MARKS: 50**
SUB: COMPUTER SCIENCE   **TIME: 1.30 MINS**

OCTOBER MONTHLY TEST
PART – I

I. CHOOSE THE CORRECT ANSWER: **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. What symbol is used for SELECT statement?
   a) σ   b) Π   c) X   d) Ω
3. Which command lets to change the structure of the table?
   a) SELECT   b) ORDER BY   c) MODIFY   d) ALTER
4. The command to delete a table is _____.
   a) DROP   b) DELETE   c) DELETE ALL   d) ALTER TABLE
5. _____ 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
6. A number of staff members working in one department are an example of which data model?
   a) One to One   b) One to Many   c) Many to One   d) Many to Many
7. Which is the function used to make a pie chart with matplotlib?
   a) Plot.pie()   b)plt.pie()   c) plot.pi()   d) plt.pi()
8. What type of data is shown in bar graph?
   a) Numerical   b) Real   c) Categorical   d) string
9. The _____ keyword retains duplicate rows.
   a) DISTINCT   b) ALL   c) IN   d) BETWEEN
10. _____ is mostly used in conjunction with aggregate functions to produce summary reports from the database.
    a) WHERE   b) ORDER BY   c) HAVING   d) GROUP BY

PART – II

II. ANSWER ANY 5 QUESTIONS: (Q.No.14 Compulsory)   **5*2=10**

11. What is the difference between Network and Hierarchical Data Model?
12. Define Normalization
13. How to Create Database?
14. Write about TRUNCATE Command?
15. Write the difference between table constraint and column constraint?
16. What are the General Types of Data Visualization?
17. Define Scatter Plot and Box Plot

PART – III

III. ANSWER ANY 5 QUESTIONS: (Q.No.20 Compulsory)   **5*3=15**

18. What are the Advantages of RDBMS?
19. Define the following Terms: a) Record   b) Field   c) Table
20. What are the types of DBMS users?
21. What is BETWEEN and NOT BETWEEN Keywords?
22. Write the differences between DELETE, TRUNCATE and DROP Commands?
23. Write a SQL statement using DISTINCT keyword.
24. What are the uses of Data Visualization?

PART – IV

IV. ANSWER THE FOLLOWING QUESTIONS: **3*5=15**

25. a) What are the Characteristics of RDBMS?
                                        [OR]
    b) Explain the different types of data model.

26. a) Explain the TCL Commands?
                                        [OR]
    b) Write the different types of constraints and their functions.

27. a) Explain the different operators in Relational algebra with suitable examples
                                        [OR]
    b) Explain the various buttons in a matplotlib window.

// ALL THE BEST