DHARMAPURAM ADHINAM ARTS COLLEGE, DHARMAPURAM

III B.Sc.INFORMATION TECHNOLOGY – DATABASE SYSTEMS

PART- B

1.List the advantages of data integration.

2.How network model differs from hierarchical model.

3.What is meant by schema.

4.What are the disadvantages of using a database system? Explain.

5.Give the purpose of database system

6.What is the need for data mining?

7.How to join two tables?

8.Discuss the usage of Intersection operator.

9.How to nested subqueries?

10.Write about SQL Aggregate function.

11.Explain the JOIN operation.

12.Mention the merits of Relational Calculus.

13.How data manipulation is done in SQL?

14.Explain the concept of functional dependency.

15.Define Normalization.

16.Draw the blocks used in a ER diagram.

17.Mention the salient features of relational calculus.

18.What is meant by multi valued dependency?

19.Explain the first normal form with an example.

20.Write short note on Boyce's Codd Normal form.

PART- C

1. Describe the architecture for the database.

2. Discuss on the components of a DBMS.

3. Explain the importance of the relational model.

4. How modification is done in database?

5. Briefly discuss on Embedded SQL.

6. Explain in detail about the relational operations in Relational Algebra.

7. Discuss the properties of relations with examples.

8. Explain briefly about group by, having clause and aggregate functions in SQL.

9. Explain the following feature of ER model. a) Specialization b) Generalization.

10. Describe about constraints in ER model.

11. Explain first, second and third normal forms with example.

12. How to perform decomposition by using functional dependencies? Explain

13. Draw the database design for Banking enterprise.

14. How redundancy is controlled through normalisation?

15. Explain the difference between third and Boyce-codd normal form.

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