GOVERNMENT ARTS AND SCIENCE COLLEGE, MANALMEDU-609 202
UG DEPARTMENT OF COMPUTER SCIENCE
DATABASE SYSTEMS-16SCCCS4

QUESTION BANK

SECTION A (10 X 2 =20)

Answer ALL Questions

1. How database differs from data file?
2. What is candidate key?
3. What is Primary Key?
4. What is attributes?
5. Give the purpose of Null Value.
6. Define Tuple.
7. Explain Domain Relational Calculus.
8. What is normalization?
9. Define functional dependency.
10. What is atomic domain?

SECTION B (5 X 5 =25)

Answer ALL Questions

11. a) Give the purpose of database systems.

    Or

   b) Mention the duties of database administrators.

12. a) Discuss the following set operations

       (i) Union and
       (ii) Intersection

       Or

   b) How to modify the database?

13. a) Explain different types of joins with suitable examples.

       Or

   b) what are views or virtual relations? Explain their creation.

14. a) What are the main components of E-R diagram?

       Or

   b) Explain the mapping cardinality constraints.

15. a) Explain the first normal form.

       Or

   b) Discuss on the decomposition using multi-values dependencies.

SECTION C (3 X 10 =30)

Answer any THREE Questions

16. Describe the history of database system.

17. Explain the select operation with an example.

18. Explain the integrity constraints in SQL.

19. Discuss the data types in SQL.

20. With an example, discuss on the construction of E-R model.

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