K20U 1935

Reg. No. : ....

Name : ....

III Semester B.C.A. Degree CBCSS (OBE) – Regular
Examination, November 2020
(2019 Admission Only)
GENERAL AWARENESS COURSE
3A13 BCA : Database Management System

Time : 3 Hours   Max. Marks : 40

PART – A
(Short Answer)

One word to maximum one sentence. Answer all questions.   (6×1=6)

1. What do you mean by domain of an attribute ?

2. Write the general syntax of Drop command.

3. What is Logical Data Independence ?

4. What is Tuple ?

5. Define schema of a database.

6. Why is relationship between entities important ?

PART – B
(Short Essay)

Answer any 6 questions :   (6×2=12)

7. Draw a diagram to show the structure of a database.

8. Write a notes on views.

9. Explain the term Data Abstraction.

10. What do you mean by Relational calculus ?

11. Give the importance of BCNF.

12. List any four advantages of DBMS.

13. Write a note on Foreign Key.

14. What do you mean by Data dictionary ?

PART – C
(Essay)

Answer **any 4** questions : (4×3=12)

15. Explain basic steps involved in processing a query.

16. Explain the following terms :
    i) Network Model
    ii) Hierarchical Model.

17. What is join ? Explain different types of joins.

18. Explain the roles of data base administrator and the details of aggregate function queries.

19. Distinguish between DDL and DML.

20. What are the features of Database language ?

PART – D
(Long Essay)

Answer **any 2** questions : (2×5=10)

21. Using diagrams and examples, explain E-R modeling with the help of student database.

22. Explain the overall system structure of database management system.

23. Explain normalization. How is it different from functional dependencies ?

24. Explain all types of data models.

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