B.Sc/BCA DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS, MAY 2024

Second Semester

Core Course - CS2CRT04 - DATA BASE MANAGEMENT SYSTEMS

(Common for B.Sc Computer Applications Model III Triple Main, Bachelor of Computer Applications)

2017 ADMISSION ONWARDS

D8C982F7

Time: 3 Hours

Max. Marks : 80

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Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. List the functions of database administrator.

2. Discuss the main categories of data model.

3. List the steps in query processing.

4. What are weak and strong entities?

5. What do mean by relation and tuple?

6. Explain the use of DROP command in SQL.

7. How can we order rows in SQL?

8. How to create a view?

9. What is modification anomaly?

10. Explain Boyce-Codd Normal Form.

11. What are control measures in DBMS?

12. What do you mean by database audit?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. What are the advantages of using DBMS Approach?

14. Explain different Languages in DBMS.

15. Explain ER diagram notations and concepts with example.

16. What are the different types of constraints present in the database system?

17. Explain different forms of INSERT command with examples.

18. Explain nested queries with example.

19. Explain transitive dependency.

20. Explain Indexing Techniques.

21. Explain about the properties of transaction.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Describe three schema architecture with neat diagram.

23. What is an attribute? Explain different types of attributes with examples.

24. Explain UNION, EXCEPT and INTERSECT commands with syntax and example.

25. Explain Functional dependency. Which are the different types of Functional dependencies?

(2×15=30)