



21103127

QP CODE: 21103127

Reg No :

Name :

**B.Sc / BCA DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS,
DECEMBER 2021
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

47B7FDD4

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Who is a Data base Designer?
2. What do you mean by procedural DML language? Give an example.
3. What is the use of buffer manager?
4. What is a derived attribute? Give example.
5. Define Domains and Tuples.
6. What is the basic SQL DDL commands?
7. Write the syntax of select command with an example.
8. How can we order rows in SQL?
9. What is modification anomaly?
10. Define BCNF.
11. What is permanency?
12. What are the different types of privileges?

(10×2=20)

Part B

*Answer any **six** questions.*

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





13. Explain different data models.
14. Discuss different levels of abstraction in database system
15. Discuss the concept of entity relationship model. How it helps in designing relational databases?
16. Explain cardinality and participation in detail.
17. Explain UNION and INTERSECT commands with syntax and example.
18. Explain UNIQUE and EXIST.
19. Explain Secondary Indexing.
20. Explain the following a) 1 NF b) 2 NF c) 3 NF
21. Explain the types of failures?

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Why data base system is superior than file-based System.
23. Compare relation, relationship type, relationship set and structural constraints.
24. (a) Explain the use of GROUP BY and HAVING clause with syntax and examples
(b) How will you create and manage views?
25. Explain types of single-level ordered indexes.

(2×15=30)

