



32523/E230

Reg. No.

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V Semester B.C.A. 3 Degree Examination, Nov./Dec. - 2019

DATABASE MANAGEMENT SYSTEM

(Repeater)

Paper : (BCA3)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- 1. All Sections are Compulsory**
- 2. Draw diagram wherever necessary.**

SECTION-A

Answer any **TEN** of the following Questions:

(10×2=20)

1. a) What is DBMS?
b) Define Data model.
c) Expand DDL, TCL.
d) What is Entity?
e) Explain Projection in Relational algebra.
f) What is SQL? Write a syntax for DELETE command.
g) What is functional Dependency?
h) Explain the reason for failure of transaction.
i) Define 1 NF.
j) Explain COMMIT & ROLL BACK.
k) What do you mean by deadlock.
l) List out the Endusers of DBMS.

SECTION - B

Answer any **FOUR** of the following Questions:

(4×5=20)

2. Explain the actor's behind the Scene.
3. Explain the Three level architecture of database system with neat diagram.
4. Discuss single valued and Multivalued attributes.
5. Draw various Symbols used in ER Diagram Notations.
6. Explain Join, Left outer.... join, Right outer Join.

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7. Explain the state of transaction execution with diagram.

SECTION - C

Answer any **FOUR** of the following Questions:

(4×10=40)

8. Explain all the database languages used in DBMS.
9. a) Explain with example of operations UNIONS and INTERSECTION of Relational algebra. **(6)**
- b) Explain ALTER and DROP command with Syntax. **(4)**
10. Draw a ER- Diagram for the student information Database.
11. Explain the SQL SELECT command with all the clauses.
12. Explain CREATE, INSERT UPDATE commands with Syntax and example.
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