

Roll No.

Total No. of Questions : 07]

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Paper ID [B0216]

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BCA (Sem. - 4th)

DATA BASE MANAGEMENT SYSTEM (BC - 402)

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.

Section - A

Q1)

(10 x 2 = 20)

- a) What is the command for rollback of database?
- b) What do you mean by a join?
- c) What is the difference b/w a primary & secondary key?
- d) Define DDL & DML.
- e) Give example using SQL for the retrieval with a sub query with same table involved.
- f) What is committing of a transaction?
- g) What does u mean by a relation?
- h) What is the difference between relational algebra and relational calculus?
- i) What are logical and physical database?
- j) What do you mean by logical data independence?

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Section - B**(4 x 10 = 40)**

- Q2)** What do you mean by three level architecture? Explain the three levels with examples.
- Q3)** Compare and contrast the conventional file system with DBMS.
- Q4)** What are the three common types of data models? Explain any one of them in detail.
- Q5)** What is concurrency control? How it is achieved in database system?
- Q6)** Discuss the purpose of distributed database systems and their demerits.
- Q7)** Write short notes on :
- (a) Data Base security and integrity.
 - (b) Query Processing.



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