

S. B. Roll. No.....

DATABASE MANAGEMENT SYSTEM
4th Exam/CSE/IT/2395/Nov'24
(For 2018 Batch Onwards)

Duration: 3Hrs.

M.Marks:75

SECTION A

Q1. Do as directed.

15x1=15

- a. Full form of DBMS is _____
- b. Define Attribute.
- c. Full form of BCNF is _____
- d. Full form of TCL is _____
- e. Define Transaction.
- f. Full form of DML is _____
- g. Define Entity.
- h. Full form of SQL is _____
- i. Full form of DDL is _____
- j. A _____ key is used to represent relationship between two tables.
- k. The term _____ refers to a row in a table.
- l. DBA stands for _____
- m. The Relational model represents database as a collection of tables. (T/F)
- n. Rollback Command is used to save any work done in a transaction. (T/F)
- o. Every relation in BCNF is also in 3NF. (T/F)

SECTION-B

Q2. Attempt any six questions.

6x5=30

- i. Define database. Explain its characteristics.
- ii. What are the advantages of DBMS?
- iii. Explain different types of data independence with diagram.
- iv. Explain the properties of transaction.
- v. What are the different kinds of database users?
- vi. Explain Grant and Revoke commands with an example each.
- vii. Explain primary key and foreign key with an example each.
- viii. Explain any 5 SQL data types.
- ix. Explain different types of database languages.

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. Explain E-R model with the help of a diagram.
- b. Define normalization. Explain all normal forms with an example each.
- c. Explain any 5 SQL commands with an example each.
- d. Explain DBMS architecture with the help of a diagram.
- e. Explain different states of a transaction with diagram.

