

A-1140

Total Pages : 3

Roll No.

BCA (N)-201

Database Management System

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section-A

(Long Answer Type Questions) (2×19=38)

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

A-1140

(1)

P.T.O.

1. Explain database system architecture. Discuss database views, data dictionary, and the role of database languages.
2. Explain SQL in detail. Describe the basic structure of SQL queries, data types, and relational operators with suitable examples.
3. Discuss compound conditions in SQL. Explain IN, BETWEEN, LIKE, ORDER BY, handling NULL values, and operator precedence.
4. Explain the concept of keys in DBMS. Discuss super key, candidate key, primary key, foreign key, and composite key with examples.
5. Explain database recovery mechanisms. Describe backup tools, automated backup operations, and recoverable database operations.

Section–B

(Short Answer Type Questions) (4×8=32)

Note :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Explain the purpose and benefits of DBMS.
2. What is a data model ? Explain its need.
3. Define relation, attribute, and tuple.
4. Write a short note on ORDER BY clause and alias names.
5. Explain normalization objectives.
6. What are database backups ? Explain backup scopes.
7. Explain database security.
8. Write a short note on Relational schema and instances.
