B. C. A. (Sem. III) Examination

October / November - 2017

BCA-302 : Advance Database Management System

Time : 3 Hours]　　　　　　　　　　[Total Marks : 70

1 **(a)** Do as directed : (any **three**)   **6**

    (1) Give syntax and example of SUBSTR( ) function.

    (2) What is Dual Table?

    (3) What is sub query?

    (4) Name and syntax of DCL command.

   (b) Attempt any **two** :   **12**

    (1) What is Constraint? List out the types of constraints. Explain Entity integrity constraints.

    (2) Explain DML commands with example.

    (3) Define Joins. Explain types of Joins.

2 **(a)** Write short notes on any **two** :   **5**

    (1) Sequence.

    (2) View

    (3) Procedure

   (b) Attempt any **two** :   **12**

    (1) Define cursor Explain Explicit cursor management with example.

    (2) Define Exception Explain types of exception

    (3) Define Indexes Eplain types of indexes.

3 (a) Do as directed :   **6**

    (1) Define Temporal key.

    (2) Define summary column.

    (3) What is Data Mining?

  (b) Attempt any **two** :   **12**

    (1) Differentiate between OLTP and OLAP.

    (2) Explain aspects of Decision support system.

    (3) Explain Data warehouse and Data Mart.

4 (a) Define following terms :   **5**

    (1) Transaction

    (2) Failure

    (3) Data Encryption

    (4) Security

    (5) Deadlock

  (b) Attempt any **two** :   **12**

    (1) Define Concurrency. Explain concurrency problems.

    (2) Define Distributed database system. Explain any five objectives of it.

    (3) Define Recovery. Explain system recovery.