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BCA (Part-II) Examination, 2022

DBMS (Oracle, SQL)

[Paper : First]

Time Allowed : Three Hours

Maximum Marks : 100

Minimum Passing Marks : 40

Note : Attempt **one** question from each unit. **All** questions carry **equal** marks.

Unit-I

1. What is DBMS ? Explain various types of DBMS users. [20]

OR

Explain DDL and DML commands with syntax and Example.

Unit-II

2. Draw an ER-Diagram for Library Management Systems. Explain various concepts used in the implementation of your ER-Diagram. [20]

OR

Explain Generalization and Specialization with suitable example.

Unit-III

3. What is Join ? Explain Inner-join and Self-join with suitable syntax and example. [20]

OR

Discuss Primary Key, Foreign Key and Unique Constraints with suitable example.

Unit-IV

4. What is Boyce Codd Normal form ? Discuss multivalued Dependencies with suitable example. [20]

OR

How we reduce duplicacy in RDBMS ? Discuss various pitfalls in database design.

Unit-V

5. Create a table employee having any five fields and primary key constraint. [20]

(a) insert any five records in the above created table

(b) delete the third record of the above inserted five records.

OR

Create a table student having Sid, Sname, Scontact Saddress fields having sid as primary key.

(a) insert any three records in the above table.

(b) update the third record in the above table for the field Sname to Ravi.

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