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B.A. (Part-III) Examination, 2022

(New Course)

COMPUTER APPLICATION

(Database Management System)

[Paper : Second]

Time Allowed : Three Hours

Maximum Marks : 50

Minimum Passing Marks : 17

Note : Attempt all **five** questions. One question from each unit is **compulsory**. All questions carry equal marks.

Unit-I

1. What do you mean by DBMS? Explain various types of data model in detail.

OR

Explain codd's rule for RDBMS.

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(1)

[P.T.O.]

Unit-II

2. What is E–R model? Explain and write various notation used in E–R diagram.

OR

Write short notes on any two of the following :

- (i) Entity & Types of Entity
- (ii) Various types of Attributes
- (iii) Primary key and types of keys

Unit-III

3. What do you mean by Normalization?

OR

Write short notes on the following :

- (i) Functional dependency
- (ii) Transitive dependency
- (iii) Decomposition

Unit-IV

4. What is Oracle? Write various commands used in oracle.

OR

Write the SQL commands with example of the following :

- (i) create table
- (ii) delete
- (iii) select
- (iv) update
- (v) rollback

Unit-V

5. What do you mean by Database Failure? Explain various types of failures.

OR

Write short notes on any two of the following :

- (i) Backup and Recovery
- (ii) Hacking
- (iii) DBA

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