Total Pages : 4

K -131

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

(Old 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.

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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