

Printed Pages – 3

Roll No. :

576363(76)

676563(76)

M. B. A. (Third Semester) Examination,

Nov.-Dec. 2021

(New Scheme)

RDBMS and SQL CONCEPTS

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 32

Note : Answer any two from each unit. All question carry equal marks.

Unit-I

1. (a) What is RDBMS? How is it different from DBMS? 8
- (b) Explain the various data models used in data base management system. 8

[2]

- (c) What are the characteristics of database approach and also write its advantages? 8

Unit-II

2. (a) Describe data independence alongwith its types and importance. 8
(b) Discuss DBMS architecture along with its types? 8
(c) What is data dictionary? What are its contents explain in detail with suitable example? 8

Unit-III

3. (a) Draw different types of notation used in ER Diagram. 8
(b) Write a brief note on Primary Key and Foreign Key. 8
(c) What is normalization? Explain 1 NF and 2 NF with suitable examples. 8

Unit-IV

4. (a) Explain DDL and DML with suitable examples. 8
(b) ACID is a concept that refers to the four properties of a transaction in a database system. Explain. 8

[3]

- (c) Recovery restores a database form a given state, usually inconsistent, to a previously consistent state. Elaborate. 8

Unit-V

5. (a) What are two types of distributed databases? 8
(b) Write a short note on object-oriented DBMS. 8
(c) Discuss data warehousing and mining. 8