

Goa Vidyaprasarak Mandal's
GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND
ECONOMICS, PONDA - GOA
B.C.A. (SEMESTER- III) SUPPLEMENTARY EXAMINATION,
MAY/JUNE 2019
DATABASE MANAGEMENT SYSTEM

Duration: 2 hrs

Marks: 50

Instruction: a) *All the questions are compulsory.*
b) *Draw diagram with pencil wherever necessary.*

Q1.A) State whether True or False. (5*1=5)

- A) Data redundancy means multiple copies of same data Items
- B) Data Inconsistency means the same value for different data items
- C) Table is a set of tuples
- D) A Composite key is a set of Columns in One table
- E) In SQL, no user can give privilege to other users.

Q1.B) Answer the following: (5*1=5)

- A) Define Cryptography
- B) Discuss Principle of Security
- C) Define DML , DDL
- D) Difference between DBMS and RDBMS
- E) Define Candidate Key

Q2. Answer the Following:

- A) Difference between DBMS and FMS. (2)
- B) Difference between Centralized data and Distributed Data. (3)
- C) Explain the Concept of Data Mining with Proper example. (5)

Q3 Answer the following:

- A) Explain Multimedia Database. (2)
- B) Discuss OLAP and OLTP. (3)
- C) Explain the Concept of 3rd level Normalization with proper example. (5)

Q4. Answer the Following:

- A) Explain Data Mart. (2)
- B) Explain Data Models. (3)
- C) Explain the Data warehouse. (5)

Q5. Answer the Following:

- A) Explain Deadlock. (2)
- B) Explain ACID. (3)
- C) Explain Distributed Database. (5)

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