

June 10, 2024 02:30 pm - 05:30 pm 1T01233 - S.E.(Information Technology Engineering)(SEM-III)
(Choice Base Credit Grading System) (R- 19) (C Scheme) / 51423 -
Database Management System QP CODE: 10057657

Time:3hrs

Max. Marks:80

N.B.:

1. Question no. 1 is compulsory.
2. Attempt any Three out of remaining Five questions.
3. Assume suitable data wherever necessary.
4. Figures at right indicates full marks.

Q1. Attempt All questions 20M

- (a) Explain DDL Commands
- (b) Discuss various Aggregate Functions
- (c) Write a short note on View serializability.
- (d) Explain DML commands in detail.

Q2.

- (a) Discuss traditional file system for database management how relational system is differ then file system discuss with suitable examples. 10M
- (b) Draw EER diagram for automobile insurance company. 10M

Q3.

- (a) Explain generalization and Specialization with example. 10M
- (b) Draw and explain notations of ER/EER diagram 10M

Q4.

- (a) Explain the concept of Grant and Revoke in SQL with example 10M
- (b) Explain deadlock handling in concurrency control 10M

Q5.

- (a) Define normalization. Explain 1NF and 2 NF in detail with example 10M
- (b) Explain ACID properties in details with example. 10 M

Q6. Write short note on 20M

- (a) JDBC in Database Systems
 - (b) Integrity Constraints in SQL
 - (c) Order by Group by clause
 - (d) Data independency in database
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