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MASTER OF SCIENCE (M.SC) IN COMPUTER APPLICATIONS
EXAMINATION : JANUARY - 2023
SEMESTER - I

Sub.: Advanced Database Management System (MSC-101-22)

Date : 04/01/2023

Total Marks : 60

Time: 10.00 am to 12.30 pm

Instruction:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagram wherever necessary.

Q. 1. Answer the following in 2 - 3 lines. (Any 5) (10)

1. What is XQuery ?
2. Define the terms i) DDL and ii) DML.
3. Define Deadlock.
4. What is meant by Data warehouse ?
5. What is concurrency Control
6. What is Data Mining ?
7. Define Commit and Rollback.

Q. 2. Answer the following in short. (Any 4) (20)

1. Explain how pattern matching is done in SQL.
2. Explain difference between NOSQL and Relational database
3. What are different types of SQL statements ?
4. What is Structured, Unstructured and semi structured data ?
5. Write a note on JOINS in SQL.
6. Explain Aggregate functions.

Q. 3. Answer the following in detail. (Any 3) (30)

1. Write a note on Concurrency control mechanism.
2. What is a CURSOR? Explain with example.
3. Explain Stored procedure and Function.
4. Write a note on VIEWS in SQL? Explain how to create, modify or delete a VIEW.
5. What is Constraint? Explain in detail about all the Constraints available with example.
