



Department of Computer Science and
Engineering, SVNIT, Surat. B.TECH -II 4th
-semester, 2021-22 Course: CS-204
DATABASE MANAGEMENT SYSTEM
QUIZ-QUERY OPTIMIZATION DATE:
19/04/2021 MARKS : 10

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* Required

QUERY OPTIMIZATION

*

1 point

Which is the method of processing the plan selected throughout query optimization:

- a. Query execution
- b. Query process
- c. Query optimizer
- d. Query transaction

☒ A

☐ B

☐ C



☐ D

*

1 point

What is the goal of database performance?

- a. to return accurate results
- b. to prevent an inconsistent state
- c. to execute queries as fast as possible
- d. to replace other forms of data storage

☐ A

☐ B

☒ C

☐ D

*

1 point

To optimize queries, use simple columns or literals as operands in a conditional expression and avoid the use of conditional expressions with ____ whenever possible.

- a. the WHERE clause
- b. functions
- c. the GROUP BY clause
- d. indexes

☐ A

☐ B

☒ C

☐ D



*

1 point

When creating a database, in order to optimize performance, put high-usage tables in their own ____.

- a. data caches
- b. data spaces
- c. table caches
- d. table spaces

☐ A

☐ B

☒ C

☐ D

*

1 point

A view whose contents are computed and stored is called as _____

- a. Storage view
- b. Backup view
- c. Materialized view
- d. Advanced view

☐ A

☐ B

☒ C

☐ D



*

1 point

Optimization that is basically related to the rewriter module is termed as _____:

- a. Semantic query optimization
- b. Global query optimization
- c. Both
- d. None

☒ A

☐ B

☐ C

☐ D

*

1 point

What is incremental materialized view maintenance?

- a. Modifying all the parts of the view
- b. Modifying only the affected parts of the view
- c. Not modifying the view
- d. None of the mentioned

☐ A

☒ B

☐ C

☐ D



*

1 point

Which in the database which is a software component in the RDBMS that carries out analysis of SQL statement for finding the best way for its execution:

- a. Query execution
- b. Query process
- c. Query optimizer
- d. Query transaction

☐ A

☐ B

☒ C

☐ D

*

1 point

What technique is used for the evaluation of a query with a nested sub query?

- a. Caching
- b. Decorrelated evaluation
- c. Correlated evaluation
- d. Time based evaluation

☐ A

☐ B

☒ C

☐ D



*

1 point

Database statistics are stored in the system catalog in specially designated _____.

- a. Indexes
- b. Rows
- c. table spaces
- d. tables

☐ A

☐ B

☒ C

☐ D

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