

IMS ENGINEERING COLLEGE		Section: IMSEC/QM/ 5.3
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Subject Name: Database Management System	Subject Code	NCS-502
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ASSIGNMENT 4

Objective:

1. Understanding the main characteristic of database with properties.
2. To develop an understanding of essential DBMS concepts such as: database security, integrity, concurrency, distributed database, and intelligent database.
3. To develop an understanding of the Transaction in databases.

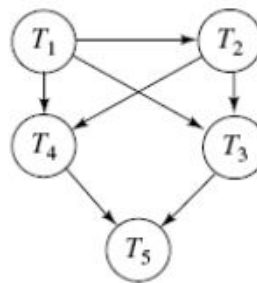
Outcome:

1. The ability to identify domain knowledge related to characteristic.

Q1. What is a cascadeless schedule? Why is cascadelessness of schedules desirable? Are there any circumstances under which it would be desirable to allow noncascadeless schedules? Explain your answer.

Q2. What is Transaction? Discuss the ACID properties. Explain the usefulness of each.

Q3. Consider the precedence graph of the below Figure . Is the corresponding schedule conflict serializable? Explain your answer.



Q4. What do you mean by schedule in the context of concurrent execution of transactions in RDBMS?

Q5. What is a serial schedule? What is a serializable schedule? Why is a serial schedule considered correct?