PARUL UNIVERSITY – PARUL INSTITUTE OF TECHNOLOGY
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT
Subject: Database Management System (303105203)

Assignment 4

Last date to submit: ___Oct 2023

- What are different ACID properties of transaction processing? Explain with details?
- Define the terms Scheduling? Explain the different types of it?
- Explain the term serial & non serial schedule?
- Explain conflict serializability with example?
- Explain the term log-based recovery with concurrent transaction?
- Define the term shadow paging? Explain step by step concept in details?
- Explain the term cascading rollback?
- Explain the term concurrency control? What are the categories of it.
- Explain the term log-based protocol with its types?
- Explain the term deadlock avoidance & prevention with graph.
- Define the term data integrity. What are the different types of it.
- Define the term access control. What are three different model of it.
- Difference between DAC vs MAC.
- Explain the different detection methods of IDS.
- Define the terms SQL injection with example?
- Explain basic syntax of PL/SQL with example.
- Define the term PL/SQL cursor? Explain the different types with example.
- Define the term PL/SQL trigger? Explain how to create trigger with example.
- Define the term store procedure? How to pass the different parameter of it?
- Define the term PL/SQL function? Explain how to create function with example?