



# St. Thomas' College of Engineering & Technology

4, Diamond Harbour Road, Kidderpore, Kolkata- 700023

Department of Computer Science and Engineering

**Subject: Distributed Systems**

**Subject Code: PEC-DS601B**

**Faculty Name: Suparna Dutta**

**Date of Submission: 24/01/2023**

**Full Marks: 15**

## Assignment 1

1. Define horizontal and vertical fragmentations with suitable examples. 4
2. What is the difference between
  - a) parallel database and distributed database
  - b) homogeneous and heterogeneous distributed database ? 3+3=6
3. What is Distributed Database? State and explain the three basic rules for defining fragmentation. 2+3=5

OUTCOME BASED EDUCATION (OBE)			
CO mapping With Bloom's Level			
Question No.	Q1	Q2	Q3
Course Outcome	CO1	CO1	CO1
Bloom's Level (in fig)	4	2	4

**Bloom's Level: Remember = 1, Understand = 2, Apply =3, Analyze = 4 Evaluate = 5, Create = 6**

Signature: \_\_\_\_\_  
Date: 16/01/2023