# DISTRIBUTED DATABASE SYSTEMS (DDS)

## ASSIGNMENT # 2

**QUESTION # 1:**

What is Query Optimization? Explain the query optimization issues step by step in details?

**QUESTION # 2:**

Write down the methodology of distributed query processing?

**QUESTION # 3:**

Define View Management? How can you create Views in Centralized DBMS and Views in Distributed DBMS explain in detail also differentiate between them. (6 points)

**QUESTION # 4:**

Explain the Semantic Integrity Control? How can you differentiate between Centralized Semantic Integrity Control and Distributed Semantic Integrity Control?

**QUESTION # 5:**

What is an Agglomerative and Divisive method in Distributive Database Management System? Explain them in detail with the help of diagram. Also differentiate between Agglomerative and Divisive methods. (6 points)

## REFERENCE MATERIALS:

1. Principles of Distributed Database Systems by M. Tamer Özsu and Patrick Valduriez, Springer, 3rd Edition, (March 2, 2011). ISBN-10: 1441988335 166

2. Distributed Database Management Systems: A Practical Approach by Saeed K. Rahimi, and Frank S. Haug, Wiley-IEEE Computer Society Pr; 1st Edition (May 23, 2011). ASIN: B005CDYQSC

3. Distributed Systems: Principles and Paradigms by Andrew S. Tanenbaum and Maarten van Steen, Prentice Hall; US Edition (January 15, 2002). ISBN-10: 0130888931

4. Distributed Systems: Concepts and Design by Jean Dollimore, Tim Kindberg and George Coulouris, Addison Wesley; 4th Edition (May 20, 2005). ISBN-10: 0321263545

5. Distributed Database Systems by Chhanda Ray, Pearson (October 3, 2012). ASIN: B009NEMZ0W