# INM370 – Advanced Databases

# Tutorial 7 – Distributed Transaction Management/ Concurrency Control/Recovery, and Replicated Databases

This week's tutorial is concerned with Transaction Management/Concurrency Control/Recovery in distributed databases, and it introduces replicated database systems.

**Question 1.** *In a distributed environment, locking based algorithms can be classified as centralized, primary copy or distributed. Compare and contrast these algorithms.*

**Question 2.** *Describe the term "non-blocking" protocol, and explain how it is related to two-phase commit (2PC) protocol.*

**Question 3.** *Outline two alternative topologies to the Centralized topology of two-phase commit protocol (2PC).*

**Question 4.** *Explain the importance of data replication.*