

School of Computing Science and Engineering

Department of Computing Science and Engineering

Mid Term Examination

Exam Date: 29 Sep 2023

Time : 90 Minutes

Marks : 50

Sem III - MCSE9390 - Advanced Databases

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

- 1) Interpret the reason for designing the multiuser system K2 (2)
- 2) Examine in detail about the commit protocol implemented in distributed database systems K1 (3)
- 3) Interpret the various locking protocols used in a distributed system K2 (4)
- 4) Indicate the two approaches of storing the relation in the distributed database K2 (6)
- 5) Explain the methods of creating an object database schema using the object definition language (ODL) K3 (6)
- 6) Demonstrate the system architecture and show how distributed transactions plays a vital role in a distributed system K3 (9)
- 7) Specify the usage of K4 (8)
 - (i) Objects and literals in ODMG
 - (ii) Atomic objec.Explain where are they applied in the real time
- 8) Differentiate ODL and OQL. K4 (12)

OR

Differentiate Homogeneous Distributed DBMS vs Heterogeneous Distributed DBMS. K4 (12)