Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 01

Total No. of Questions : 08

M.Tech. (CSE) (Sem.–1)
DISTRIBUTED SYSTEMS
Subject Code : MTCS-109-18
M.Code : 75159
Date of Examination : 19-01-2023

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1.   **Attempt any FIVE questions out of EIGHT questions.**
2.   **Each question carries TWELVE marks.**

1.   a)   Explain different components of Distributed DBMS.

     b)   Discuss the global directory issues.

2.   Discuss the process of query processing in distributed databases.

3.   Explain view management in centralized as well as distributed DBMS.

4.   How to control the concurrency in distributed system?

5.   a)   Explain edge chasing deadlock detection technique in distributed systems.

     b)   What is Centralized *Vs* Distributed scheduling algorithm?

6.   How do we measure reliability of Distributed database transactions? Explain **any one** technique.

7.   What are the rules of Load Balancing Operation?

8.   Write a short note on Mobile Databases.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.