QP CODE	2010055189

Reg.No: | | | | | | | | | | | |

DMI-ST. EUGENE UNIVERSITY
DEGREE EXAMINATION – DECEMBER – 2022

SEM: X **055CS018 DISTRIBUTED COMPUTING**

Time: 3 Hours Max. Marks: 100

Answer any Five questions (5 x 20 = 100 Marks)

1. a) Briefly explain about distributed system. (5 Marks)
   b) Mention out the pros and cons of distributed system. (10 Marks)
   c) Classify MIMD. (5 Marks)
2. a) Discuss in details about layered protocol in communication. (10 Marks)
   b) Discuss in details about data link layer. (10 Marks)
3. a) Discuss in details the need for clock synchronization. (10 Marks)
   b) Describe in details about Lamports Algorithms with an example. (10 Marks)
4. a) Describe in details about DFS with its distributed system organizational scheme. (10 Marks)
   b) Discuss in details about naming schemes Approaches. (10 Marks)
5. a) Describe in details about distributed shared memory. (10 Marks)
   b) Discuss in details Distributed share memory abstraction. (10 Marks)
6. a) Describe in details about bus-based multiprocessors and Switched multiprocessors. (10 Marks)
   b) Discuss in details hardware concepts of distributed OS. (10 Marks)
7. a) Elaborate session layer and transport layer. (10 Marks)
   b) Discuss in details about ATM Networks. (10 Marks)