Roll No ....

MCADD-802
M.C.A. (Integrated), VIII Semester
Examination, May 2024
Distributed Systems

Time : Three Hours

Maximum Marks : 70

Note : i)   Attempt any five questions.

ii) All questions carry equal marks.

1. a) Explain about the Goals of Distributed System. Discuss Hardware and Software concepts in Distributed System.

   b) With clear explanation describe the client server model in Distributed System.

2. a) Discuss Code migration and Clock Synchronization in Distributed System.

   b) Discuss Mutual exclusion principle using a suitable example related to Distributed System.

3. a) Describe in detail about Data centric consistency model and Client-centric consistency model.

   b) What do you mean by Distributed security architecture? Explain.

4. a) Describe Distributed Object Based and File Systems and its need.

   b) Discuss in detail about the types of Distributed file system.

5. a) Explain Distributed transactions with the help of an example.

   b) Discuss about the need and usage of Remote object invocation in Distributed system.

6. a) Describe the importance and architecture of JAVA RMI in Distributed system.

   b) Explain the concept of Bully and Ring Algorithm in Distributed system.

7. a) Explain shared memory consistency model using a suitable example.

   b) Write a detailed note on KERBEROS and its versions.

8. a) Discuss in detail about the need and architecture of Sun network file system.

   b) Explain distributed Co-ordination-based systems using a suitable example.

******