(Answer should be given up to 25 words only)

All questions are compulsory

Q.1.   What is distributed system?

Q.2.   What are the key features of distributed system?

Q.3. Differentiate between the RPC and RMI.

Q.4. Define Load Balancing in distributed system.

Q.5. Differentiate between the process and thread.

Q.6. List two advantages of dynamic load sharing.

Q.7. What is distributed shared memory?

Q.8. How does distributed shared memory improve system performance?

Q.9. What is concept of Faults?

Q.10. What are the key issues in managing replicated data?

PART-B [5×4=20]

(Analytical/Problem Solving Questions)

Attempt any five questions

Q.1. Discuss different types of operating systems used in distributed system.

Q.2. Explain the role of distributed computing environment.

Q.3. Explain Inter-Process Communication Mechanism.

Q.4. What is distributed deadlock handling? Explain it.

Q.5. Explain the distributed process implementation.

Q.6. Explain the concept of memory consistency models. Why are they important?

Q.7. Discuss the randomized distributed agreement approach and its advantages.

(Descriptive/Analytical/Problem-Solving/Design Questions)

Attempt any three questions

Q.1. Explain the Architecture Models. How design issue affect the system performance?

Q.2. Explain the language mechanisms for synchronization.

Q.3. Discuss the design and implementation of a distributed file system.

Q.4. Explain the implementation of distributed shared memory systems.

Q.5. What is the Byzantine Agreement? Explain different approaches to solve it.