Bhartiya Institute of Engineering & Technology, Sikar

Distributed Systems (Sub Code: 8CS3A)

**Question Bank**

**UNIT I**

1. What is Distributed system? Give the model of Distributed system?
2. What are the basic theoretical issues in Distributed Systems?
3. Explain the transparency in detail?
4. Write sort notes on COS, NOS, DOS and CAS?
5. What are the features of distributed system?
6. Explain the Distributed Computing Environment?

**UNIT II**

1. What is the system process model? Explain?
2. What are the basic database techniques for managing replicated data?

9.What are the difference between sender and receiver initiated algorithms and how the static symmetrical or the adaptive combined sender and receiver-initiated algorithms fit in the figure?

10.What are the difference between Multiprocessor cache architecture and distributed shared memory architecture and how to implement DSM?

11.What is the difference between Lamport Timestamps and Vector Timestamps?

12.What do you understand by Non-Uniform memory Access architecture? Explain.

**UNIT III**

13.How will you model a distributed computation? Explain.

14.What are the different types of failure in distributed system? Explain.

15.What is the need of Update propagation in replica data management? Explain.

16.What do you understand by Byzantine agreement? Explain.

17. Write short notes on

1. CORBA RMI
2. SNFS
3. Andrew & CODA File System
4. CORBA

**UNIT IV**

Q18.Explain the memory consistency model.

Q19. Explain characteristics of DFS and how to implement DFS.

Q.20 Explain Remote procedure call.

Q.21 Write the difference between RPC RMI.

Q.22What is Randomized distributed agreement.Explain its features.

**UNIT V**

Q.23 What do you understand by Byzantine agreement?Explain.

Q.24Explain Atomist multicast and its features.

Q.25What is the need of update propagation in replica data management?Explain.

Q.26What is APP Problem.Explain Election algorithm for distributed system.