**Question Bank – IA 2**

1. Explain communication between distributed objects by means of RMI.
2. Explain remote and local invocation with the neat diagrams.
3. With a neat diagram explain the role of Proxy & Skeleton in RMI
4. Explain the fundamental concepts of the distributed object model.
5. Discuss RMI invocation semantics and tabulate failure handling mechanism for each.
6. Define RPC and With neat diagram explain its implementation
7. Discuss model architecture of distributed file system and its components.
8. List the various Distributed File Requirements and explain any three in detail.
9. With a neat diagram explain the components of file service architecture in brief w. r .t. following; i) Flat File Service ii) Directory Serviceiii) Client Module
10. List out file system modules.
11. Sketch the file attributes and record structure.
12. List out the transparencies in file system.
13. Describe the characteristics of file system
14. Discuss the distributed file system design requirements.
15. Write the steps of RSA Algorithm. Illustrate with an example given Message = 8, P=3 & Q=11.
16. 2. Analyze the following uses of Cryptography with suitable scenarios.

i) Secrecy and integrity ii) Authentication

1. Discuss asymmetric (public/private key pair-based) cryptography technique and how it can be used in supporting security in distributed systems.
2. What is a distributed denial-of-service attack and how does it work?
3. What is the goal of security? List the three broad classes of security threats?
4. Explain following symmetric key encryption techniques i) Block cipher ii) Stream cipher
5. Write a note on digital signature?