**Question Bank – IA 2**

1. Discuss RMI invocation semantics and tabulate failure handling mechanism for each.
2. Define RPC and With neat diagram explain its implementation
3. Discuss model architecture of distributed file system and its components.
4. List the various Distributed File Requirements and explain any three in detail.
5. 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
6. Discuss the distributed file system design requirements.
7. Write the steps of RSA Algorithm. Illustrate with an example given Message = 8, P=3 & Q=11.
8. 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. Explain following symmetric key encryption techniques i) Block cipher ii) Stream cipher
3. Write a note on digital signature?