

1. **What is a Storage Model?** Discuss the two fundamental properties of any storage model.
2. Explain the working of the Journal Storage system
3. What is a filesystem? Explain the three classes of filesystem.
4. Write Short Notes on
 - a. Database Management System
 - b. Requirements of cloud application
 - c. Distributed File System
5. Discuss the layered design of UFS(Unix File System).
6. Discuss with a neat diagram the working of NFS(network File System)
7. Bring out the attributes of comparison of distributed filesystems. Compare NFS & AFS using this framework.
8. Explain GPFS with a diagram.
9. a. Explain with a diagram the GFS architecture.
 - b. Discuss the design considerations and the associated design decisions in GFS(Google File System)
10. Describe the handling of deletion of files in GFS(Google File System)
11. Discuss the steps relating to write data in the GFS
12. Explain the different components of the Hadoop cluster using HDFS, with a neat diagram—

Security Topics related questions

1. Discuss with a neat diagram, the threat surface and various types of attacks in cloud.
- 2.a.What is Trust in computer science context? What are the ways of achieving it?
- 3.What is Privacy? Discuss PIA.
- 4.Discuss OS security aspects
- 5.Discuss VM security
- 6.Discuss VM based threats and VMM based threats.

7. Describe the design of Xoar which breaks the monolithic design of TCB.