

16. What additional data need to be restored in database restorations for application consistency? 1 K1 CO5
 (a) User preferences (b) Log files and production data
 (c) Backup catalog information (d) System metadata
17. In full-volume mirroring, the target remains unavailable to any host during _____. 1 K1 CO6
 (a) synchronization (b) replication session activation (c) data copying (d) full copy mode
18. In pointer-based full-volume replication, CoFA stands for Copy on _____. 1 K1 CO6
 (a) first write (b) full access (c) fast synchronization (d) finalization
19. Full-volume mirroring requires the target devices to be at least as large as the _____. 1 K1 CO6
 (a) source devices (b) host CPU (c) operating system (d) network bandwidth
20. What term is used to refer to the infrastructure where the replica is stored at the remote site in the context of remote replication? 1 K1 CO6
 (a) Source (b) Target (c) Host (d) Replication

PART - B (10 × 2 = 20 Marks)

Answer ALL Questions

21. Compare Block level access Vs File level Access. 2 K2 CO1
22. List the categories of storage. 2 K1 CO1
23. Give the parameters to be considered to compare with RAID levels. 2 K2 CO2
24. Explain the two categories of Intelligent Storage Array. 2 K2 CO2
25. List the Storage System Components. 2 K1 CO3
26. List out the components of NAS. 2 K1 CO3
27. Difference between In-Band and Out-of-Band Implementations. 2 K2 CO4
28. Summarize the few addressing issues in storage virtualization. 2 K2 CO4
29. Distinguish between RPO and RTO. 2 K2 CO5
30. Illustrate COFA. 2 K2 CO6

PART - C (6 × 10 = 60 Marks)

Answer ALL Questions

31. a) Discuss about ILM implementations and its benefits. 10 K2 CO1
OR
 b) Explain in detail about the physical and logical components of Host. 10 K2 CO1
32. a) Explain in detail about the different Levels of RAID. 10 K2 CO2
OR
 b) Discuss about the Intelligent Storage Array. 10 K2 CO2
33. a) Demonstrate the NAS I/O operations with an example and its factors affecting NAS performance and availability. 10 K2 CO3
OR
 b) Discuss about the FC topologies with suitable example. 10 K2 CO3
34. a) Summarize the concept of object storage and retrieval in CAS. 10 K2 CO4
OR
 b) Explain in detail about the types of storage virtualization. 10 K2 CO4
35. a) Illustrate how to Identify Single Points of Failure in a storage infrastructure and list out the solutions to mitigate these failures. 10 K2 CO5
OR
 b) Explain in detail about the steps involved in Backup and restore operations with necessary diagram. 10 K2 CO5

36. a) Discuss in detail about full volume mirroring with necessary diagrams.

10 K2 CO6

OR

b) Explain in detail about Storage array-based replication.

10 K2 CO6