

Please check whether you have got the right question paper.

- N.B:
1. Question number I is compulsory. Solve any three out of remaining.
  2. Draw neat diagrams.
  3. Illustrations may be given as required.

- Q.1** a) What is zoning? Discuss a scenario, **10**  
1. where soft zoning is preferred over hard zoning  
2. where hard zoning is preferred over soft zoning  
b) Seventeen switches, with 16 ports each, are connected in a mesh topology. How **10**  
many ports are available for host and storage connectivity if you create a high  
availability solution?
- Q.2** (a) Discuss the various factors that affect the NAS performance and availability in detail. **10**  
(b) What is meant by seek time, rotational latency and utilization in case of disk drive **10**
- Q.3** (a) Explain logical components of connectivity in storage system environment **10**  
(b) What is meant by business continuity, information availability, disaster recovery and **10**  
recovery point objective?
- Q.4** (a) Compare the shadow paging recovery scheme with the log-based recovery schemes in **10**  
terms of ease of implementation and overhead cost.  
(b) List the advantages, disadvantages of RAID level 0, 1,5 **10**
- Q.5** a) Compare NAS,FCSAN and iSCSI SAN **10**  
b) Explain information lifecycle. What are the key challenges in managing **10**  
information?
- Q.6** a) Explain NAS file sharing protocol. **10**  
b) Explain the properties information storage and retrieval systems **10**

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