

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 many ports are available for host and storage connectivity if you create a high availability solution? **10**
- 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 recovery point objective? **10**
- Q.4** (a) Compare the shadow paging recovery scheme with the log-based recovery schemes in terms of ease of implementation and overhead cost. **10**
(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 information? **10**
- Q.6** a) Explain NAS file sharing protocol. **10**
b) Explain the properties information storage and retrieval systems **10**
