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**Question Paper Code: 31282**

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2017

Elective

Computer Science and Engineering

01UCS902 - INFORMATION STORAGE MANAGEMENT

(Common to Information Technology)

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. Differentiate between structured and unstructured data. Give Example.
2. Define PCI.
3. List the factors that affect NAS performance at different levels.
4. What topology is followed by fibre channel arbitrated loop?
5. What does the term 'Information availability' refer to?
6. Differentiate between synchronous and asynchronous remote replication.
7. What is cloud computing?
8. What is cloud computing? List its benefits.
9. Define storage security framework.
10. What does passive threat signify within an IT infrastructure?

PART - B (5 x 16 = 80 Marks)

11. (a) Explain the components of intelligent storage systems in detail. (16)

Or

(b) Briefly describe the functionality of RAID levels 1 through 5 and its significance. (16)

12. (a) Describe in detail about FCIP protocol and its topological design. (16)

Or

(b) Explain the process of data storage and retrieval in content addressed storage system. (16)

13. (a) Explain the technologies involved to backup data in detail. (16)

Or

(b) Describe backup topologies in backup environment and network attached storage environment. (16)

14. (a) Describe any four challenges of cloud computing in detail. (16)

Or

(b) Discuss about cloud migration and its challenges. (16)

15. (a) Discuss in detail about monitoring and managing storage infrastructure. (16)

Or

(b) Explain the methodologies to monitor the storage infrastructure. (16)

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