Reg. No. : | | | | | | | | | |

Question Paper Code: 39021

B.E. / B.Tech. DEGREE EXAMINATION, NOV 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. What is a RAID array?

2. State the function of R/W head when reading and writing the data on the platter.

3. List 2 file service protocols that support network attached-storage devices.

4. What topology is followed by fibre channel arbitrated loop?

5. What does the term 'Information availability' refer to?

6. Define operational backup with an example.

7. What is cloud computing?

8. List the characteristics of cloud computing.

9. Define storage security framework.

10. List the 4 primary services of storage security framework.

PART - B (5 x 16 = 80 Marks)

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

Or

(b) Discuss in detail about RAID levels. (16)

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

Or

(b) Explain the architecture of content addressed storage. (16)

13. (a) Analyze the various remote replication technologies in detail. (16)

Or

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

14. (a) Discuss in detail about the deployment models of cloud computing. (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) Describe the security implementations in storage networking. (16)

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