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Question Paper Code: 39202

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2018

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. Define PCI.
2. What is a RAID array?
3. What topology is followed by fibre channel arbitrated loop?
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 out some cloud enabling technologies.
9. List the 4 primary services of storage security framework.
10. What does passive threat signify within an IT infrastructure.

PART - B (5 x 16 = 80 Marks)

11. (a) Discuss in detail the core elements of data center infrastructure. Also describe about the key characteristics of data center elements. (16)

Or

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

12. (a) Acme Corporation is trying to decide between an integrated or a gateway NAS solution. The existing SAN at Acme will provide capacity and scalability. Develop an NAS solution and explain the reasons for your choice. (16)

Or

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

13. (a) (i) Discuss about Business Continuity Planning (BCP) Process. (8)

(ii) Write notes on Backup/recovery process and operation. (8)

Or

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

14. (a) Explain in detail about cloud deployment models with suitable example. (16)

Or

(b) Discuss in detail about the deployment models of cloud computing. (16)

15. (a) Describe the security implementations in storage networking. (16)

Or

(b) Give a brief note on implementation of ILM with an example scenario. (16)
