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Question Paper Code	12771
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M.E. / M.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2024

Third Semester

M.E. - Computer Science and Engineering

20PCNEL308 - INFORMATION STORAGE MANAGEMENT

Regulations - 2020

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

	Marks	K-Level	CO
1. State the components that formulate the data center.	2	K1	CO1
2. List any two core elements of data center infrastructure.	2	K1	CO1
3. Write the benefits of Disk Drive Interfaces.	2	K1	CO2
4. Define NAS.	2	K1	CO2
5. What is Network Management?	2	K1	CO3
6. What is CAS? Write the benefits of CAS.	2	K1	CO3
7. Summarize the difference between RTO and RPO.	2	K2	CO4
8. Infer the purpose of Backup and Recovery.	2	K2	CO4
9. What is meant information security?	2	K1	CO5
10. State the different storage security domains.	2	K1	CO5

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11. a) Discuss in detail about challenges of data storage and data management.	13	K2	CO1
OR			
b) Summarize about the different core elements of data center infrastructure.	13	K2	CO1
12. a) Discuss briefly about major physical components of a disk drive and its functions.	13	K2	CO2
OR			
b) Compare and contrast integrated and modular storage systems.	13	K2	CO2
13. a) Explain in detail about CAS architecture.	13	K2	CO3

OR

b) Describe about the benefits of different network storage options. 13 K2 CO3

14. a) Discuss the architecture of backup / recovery & different backup and recovery topologies. 13 K2 CO4

OR

b) Explain about key management tasks of a data center in detail. 13 K2 CO4

15. a) State and discuss about critical security attributes for information systems in detail. 13 K2 CO5

OR

b) Explain the role of Industry standards in monitoring data center. 13 K2 CO5

PART - C (1 × 15 = 15 Marks)

16. a) Present and evaluate a framework for remote application for a “Banking System”. State the functional requirements you are considering for this framework. 15 K5 CO6

OR

b) Explain about Virtualization technologies in detail. 15 K5 CO6