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Question Paper Code	12184
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B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV / DEC 2023
Seventh Semester
Information Technology
20ITEL703 - INFORMATION STORAGE AND MANAGEMENT
(Regulations 2020)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

- | | <i>Marks,
K-Level, CO</i> |
|--|-------------------------------|
| 1. Compare and Contrast Data Vs Information. | <i>2,K2,CO1</i> |
| 2. Mention the Key Requirements for Data Center Elements. | <i>2,K2,CO1</i> |
| 3. List the Storage System Components. | <i>2,K2,CO2</i> |
| 4. Mention the connectivity options in DAS. | <i>2,K2,CO2</i> |
| 5. Define SAN. | <i>2,K2,CO3</i> |
| 6. What do you mean by NAS File Sharing Protocols? | <i>2,K2,CO3</i> |
| 7. State the purpose of Information availability. | <i>2,K2,CO5</i> |
| 8. Write some basic terminologies used in Backup and Recovery. | <i>2,K2,CO5</i> |
| 9. Define replication with an example. | <i>2,K2,CO6</i> |
| 10. Differentiate between CoFA Vs Full Copy Mode. | <i>2,K2,CO6</i> |

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

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|--|------------------|
| 11. a) Explain the following : | |
| (i) Core elements of a data center infrastructure | <i>6,K2,CO1</i> |
| (ii) Key Requirements for Data Center Elements | <i>7,K2,CO1</i> |
| OR | |
| b) Summarize the RAID Impact on Disk Performance with an example. | <i>13,K2,CO1</i> |
| 12. a) Illustrate the concept of components of FC SAN with a neat diagram. | <i>13,K2,CO2</i> |
| OR | |
| b) Explain in detail about the Storage Area Network and Its Evolution. | <i>13,K2,CO2</i> |
| 13. a) With Suitable example, Explain the Concept of FC topologies. | <i>13,K2,CO3</i> |

OR

b) Discuss in detail about the fiber channel architecture with neat diagram. *13,K2,CO3*

14. a) Explain in detail about BC Planning Lifecycle with an example. *13,K2,CO5*

OR

b) Discuss in detail about backup purpose, its methods and process, backup and restore operations with suitable scenario. *13,K2,CO5*

15. a) Explain in detail about the Replication Technologies and their role in ensuring information availability and business continuity. *13,K2,CO6*

OR

b) Explain in detail about Remote Replication Technologies and their role in providing Disaster Recovery and Business Continuity Capabilities. *13,K2,CO6*

PART - C (1 × 15 = 15 Marks)

16. a) Explain in detail with example about the concepts of CAS in Health care and in Finance. *15,K3,CO4*

OR

b) Explain in detail about object storage and retrieval in CAS with suitable example. *15,K3,CO4*