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Reg. No. : ☐☐☐☐☐☐☐☐☐☐

| Question Paper Code: 99221 |

B.E./B.Tech. DEGREE EXAMINATION, MAY 2022

Elective

Computer Science and Engineering

19UCS921- Information Storage Management

(Régulations 2019)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. What is the name of VMware's personal computer application for Windows?   CO1- U
   (a) VMware Workstation   (b) VMware Fusion

   (c) VMware Desktop   (d) VMware Personal

2. Which of the below is component of SAN.   .   CO2- U

   (a) Ethernet switch   (b) Fibre Switch.   (c) Ethernet Card.   (d) None of the above

3. Backup of the source data can be created_____.   CO3- U

   (a) On the same device   (b) On another device

   (c) At some other location   (d) All the above

4. _____uses one or more components of the host to perform and manage the replication operation   CO4- U

   (a) Local replication   (b) remote replication

   (c) Host-based remote replication   (d) None of the Above

5. Effective Storage management includes_____.   CO5- U

   (a) Securities.   (b) Backups   (c) Reporting.   (d) All of the above

PART – B (5 x 3= 15 Marks)

6. Define data and list out its types.   CO1- U

7. Define file sharing in NAS.   CO2- U

8. Define De-duplication.   CO3- U

9. Define Information availability.   CO4- U

10.   Draw the diagram of Securing user access in a NAS environment?   CO5- U

<div align="center">PART – C (5 x 16= 80 Marks)</div>

11. (a) Explain the Key characteristics of data center and key activities   CO1- U   (16)
          involved in Managing the data center
<div align="center">Or</div>
     (b) Describe the Evolution of storage architecture   CO1- U   (16)

12. (a) Explain in detail about the FC SAN components, connectivity   CO2- U   (16)
          options, and topologies including access protection mechanism
<div align="center">Or</div>
     (b) Define Zoning. Discuss its types.   CO2- U   (16)

13. (a) Briefly explain information availability solutions in both   CO3- U   (16)
          virtualized and non-virtualized environments
<div align="center">Or</div>
     (b) Explain Backup and Archive in both virtualized and non-   CO3- U   (16)
          virtualized environments

14. (a) Discuss about three site replication.   CO4- U   (16)
<div align="center">Or</div>
     (b) Discuss about Remote replication technologies in non-virtualized   CO4- U   (16)
          environments

15. (a) Discuss about the benefits of cloud computing with its   CO5- U   (16)
          characteristics?
<div align="center">Or</div>
     (b) Describe Storage Infrastructure Management Activities   CO5- U   (16)

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