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CBCS SCHEME

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15CS754

Seventh Semester B.E. Degree Examination, Jan./Feb.2021
Storage Area Networks

Time: 3 hrs. Max. Marks: 80

Note: ***Answer any FIVE full questions, choosing ONE full question from each module.***

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

Module-1

1 a. Explain evolution of storage architecture with neat diagram. **(08 Marks)**
b. Discuss the key characteristics of a data centre, with neat diagram. **(08 Marks)**

OR

2 a. What is protocol? Explain the popular interface protocols used for host to storage communications. **(08 Marks)**
b. Explain two different types of intelligent storage systems. **(08 Marks)**

Module-2

3 a. Explain Fibre channel protocol stack with neat diagram. **(08 Marks)**
b. What is zoning? Explain its types. **(08 Marks)**

OR

4 a. What is FCIP? Explain FCIP protocol stack. **(08 Marks)**
b. What is NAS? Explain its components with neat sketch. **(08 Marks)**

Module-3

5 a. Explain any two backup topologies with neat diagram. **(08 Marks)**
b. Discuss Data Deduplication implementations. **(08 Marks)**

OR

6 a. Give different uses of local replicas. **(08 Marks)**
b. Explain remote replication technologies. **(08 Marks)**

Module-4

7 a. What is cloud computing? Give its characteristics. **(08 Marks)**
b. Explain different cloud service models. **(08 Marks)**

OR

8 a. Explain various cloud deployment models. **(08 Marks)**
b. Discuss cloud challenges. **(08 Marks)**

Module-5

9 a. Explain storage security domains. **(08 Marks)**
b. Explain various security measures of cloud environment. **(08 Marks)**

OR

10 a. Explain various storage infrastructure management activities. **(08 Marks)**
b. Explain information lifecycle management. **(08 Marks)**

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