



Fifth Semester MCA Degree Examination, Jan./Feb. 2021 Storage Area Network

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Describe the logical components of the host in details. (10 Marks)
- b. What are the key requirements for the data center elements. (10 Marks)

OR

- 2 a. Explain the evolution of storage technology and Architecture with neat diagram. (10 Marks)
- b. Explain Disk Drive components. (10 Marks)

Module-2

- 3 a. Explain the different types of RAID levels in details. (10 Marks)
- b. Explain the components of an intelligent storage system. (10 Marks)

OR

- 4 a. Explain intelligent storage Array. (10 Marks)
- b. Explain RAID comparison. (10 Marks)

Module-3

- 5 a. Explain Disk Drive interfaces. (10 Marks)
- b. Explain SCSI-3 Client-Server model in details. (10 Marks)

OR

- 6 a. What is the component of SAN? Explain in details. (10 Marks)
- b. Explain Fibre channel ports in details. (10 Marks)

Module-4

- 7 a. What is NAS? What are its benefits? (10 Marks)
- b. List out the features and benefits of Content Address Storage (CAS). (10 Marks)

OR

- 8 a. Explain Storage virtualization challenges. (10 Marks)
- b. Explain types of storages virtualization. (10 Marks)

Module-5

- 9 a. Explain Business Continuity (BC) planning life cycle. (10 Marks)
- b. Describe the failure analysis in BC, Mention some important BC technologies solutions. (10 Marks)

OR

- 10 a. Explain the three basic topologies used in back up environment. (10 Marks)
- b. Explain storage Array-based local replication. (10 Marks)

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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.

