

Question Paper

Exam Date & Time: 23-Apr-2018 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SCHOOL OF INFORMATION SCIENCES (SOIS) SECOND SEMESTER MASTER OF ENGINEERING- ME COMPUTING TECHNOLOGIES AND VIRTUALIZATION DEGREE EXAMINATION-APRIL 2018

Monday, 23 April 2018

Time: 10:00am to 1:00pm

Storage Area Networks [VIR 614]

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Define (2.5 X (10)
4 = 10 Marks)
 - i. Business continuity (BC)
 - ii. Mean Time Between Failure (MTBF)
 - iii. Mean Time to Repair (MTTR)
 - iv. Business continuity (BC) Terminology
- 2) Describe Redundant Array of Independent Disks (RAID) and its various levels (10)
- 3) What are the parts of an Intelligent Storage System, explain? (10)
- 4) Describe connectivity options of Storage Area Network (SAN) (10)
- 5) Define Network Attached Storage (NAS) and briefly explain its components and benefits (10)
- 6) List components and connectivity options of Internet Small Computer System Interface (iSCSI) (10)
- 7) Explain the features and benefits of a Content-Addressed Storage (CAS) based storage strategy (10)
- 8) Describe File Level Virtualization technologies and its implementation (10)
- 9) Describe backup/recovery operations. Explain backup topologies (10)
- 10) What is file system snapshots? Explain its working with example (10)

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