

B.Tech IV Year II Semester (R13) Advanced Supplementary Examinations July 2017
INFORMATION STORAGE & MANAGEMENT
(Information Technology)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) List the storage architectures in the order of their evolution.
 - (b) What is data proliferation?
 - (c) What is hot sparing?
 - (d) Differentiate between logical and physical disk.
 - (e) Explain the difference between FCIP and iSCSI.
 - (f) What is an accurate statement about gateway NAS solution?
 - (g) Differentiate between RPO and RTO.
 - (h) List the key management metrics for networked storage.
 - (i) Define storage security domain.
 - (j) What are the key benefits of virtualization?

PART – B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 (a) Describe in detail various characteristics needed for an ILM strategy.
(b) Explain the key requirements for data centre elements in detail.

OR

- 3 (a) Explain the various storage infrastructure components in detail.
(b) What is information life cycle? Discuss the key challenges in managing information.

UNIT – II

- 4 Explain any five RAID levels with diagram.

OR

- 5 With neat diagram, explain the process of mapping user files to disk storage.

UNIT – III

- 6 With a neat sketch, explain the components of network attached storage. Also discuss its implementation details.

OR

- 7 Explain data object storage process and process of data retrieval from CAS system with diagram.

UNIT – IV

- 8 Describe the physical and logical / software configuration management for SAN's.

OR

- 9 Draw and explain business continuity planning life cycle.

UNIT – V

- 10 Explain storage security domains with reference to threats, availability controls with examples.

OR

- 11 Differentiate storage virtualization in server and network level.
