FACULTY OF INFORMATICS

B. E. 4 / 4 (I.T) II–Semester (Main) Examination, May / June 2011
Subject: Information Storage & Management (Elective – IV)
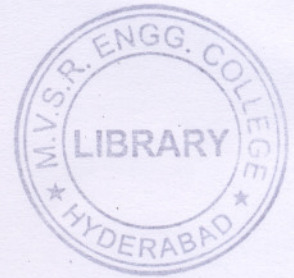
Time: 3 Hours   **Max. Marks: 75**

Note: Answer all questions from Part A. Answer any Five questions from Part B.

PART – A (25 Marks)

1.	List the core elements of a data centre infrastructure.	3
2.	Define scalability and data integrity.	3
3.	Define LUN masking.	2
4.	Define landing zone.	2
5.	What is zoning.	2
6.	_____ is the implementation of serial SCSI-3 over an FC network.	1
7.	What is bunker site?	3
8.	List out monitoring examples.	3
9.	What is disasters recovery?	3
10.	What do you mean by RTO and RPO?	3

PART – B (50 Marks)

11.   Briefly explain the challenges in
     (a) Data storage   5
     (b) Data Management   5

12.(a) Explain in detail components of an intelligent storage system with a neat diagram.   6
  (b) Explain disk drive performance.   4

13.(a) Explain disk drive components and its functionality.   7
  (b) Explain file system components of the host.   3

14.(a) Give components of iscsi and its function.   5
  (b) What is the need for IP-SAN.   5

15.(a) Explain CAS architecture.   6
  (b) Explain factors affecting NAS performance and its availability.   4

16.   Explain BC planning life cycle and give BC technology solutions.   10

17.(a) Explain storage management activities.   5
  (b) Explain critical security attributes for information systems.   5

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