Reg. No.

MANIPAL INSTITUTE OF TECHNOLOGY
(Constituent Institute of MAHE – Deemed University)
Manipal – 576 104

SEVENTH SEMESTER B.E (IT) DEGREE END SEMESTER MAKEUP EXAMINATIONS
JANUARY -2007
SUBJECT: STORAGE DEVICES TECHNOLOGY(ICT- 405.8)
(REVISED CREDIT SYSTEM)

TIME: 3 HOURS   **MAX. MARKS: 50**

Note: Answer any **FIVE** full questions;
    All questions carry equal marks.

1A. Explain the different portable storage media with their salient features.
1B. With the help of neat sketches explain the indexed allocation method. What are its
     merits and demerits?   (5+5)

2A. Explain RAID 1/0 and RAID 4 with their merits and demerits.
2B. With neat sketches explain SAN. What are its benefits? Also compare SAN with
     NAS.   (5+5)

3A. Explain how data availability is supported in CLARiiON storage arrays.
3B. What is meant by remote replication? What are the different types of remote
     replication supported by MirrorView? Explain with their salient features.(5+5)

4A. Explain CAS. What are its key features?
4B. Explain the Fibre channel topologies with their key features.   (5+5)

5A. Explain various Backup techniques used for data availability.
5B. What is the need for snap shots? Explain SnapView snapshot with its salient
     features.   (5+5)

6A. What do you mean by load balancing? What is its importance? What are the load
     balancing policies used in Power Path? Explain.
6B. With the help of a neat sketch explain the architecture of CX 500 and list its
     features.   (5+5)

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