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Printed Pages : 3

TIT - 032

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 0189

Roll No.

B. Tech.

(SEM. VIII) EXAMINATION, 2008-09

STORAGE & INFORMATION MANAGEMENT

Time : 3 Hours

[Total Marks : 100

- Note :*
- (1) Attempt all questions.
 - (2) All questions carry **equal** marks.
 - (3) No second answer book will be provided.

1 Attempt any two parts of the following : 10×2=20

- (a) Discuss about information lifecycle management concept in detail by taking an example of an enterprise of your own choice.
- (b) Define data and discuss the types of data in today's world. Also explain the hardware and software components through which the data is being managed in data centers.
- (c) What is the evolutionary concept of accommodate storage need by a data centre, considering only numerical data?

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2 Attempt any **two** of the following : $10 \times 2 = 20$

- (a) Discuss the physical components of the disks. Explain the various disk management utilities that help in maximising the disk utilization.
- (b) What are the intelligent disk systems? Discuss types and component architecture of intelligent disk sub system.
- (c) Discuss one latest algorithm for array caching by highlighting its salient features.

3 Attempt any **two** parts of the following : $10 \times 2 = 20$

- (a) Differentiate between block level and file level data access. Discuss the appropriate networked storage technology in both the cases.
- (b) What are the salient features of standard SCSI, FCIP and FCP? Discuss in brief.
- (c) What is fiber channel storage area Network (SAN)? How it is different from IP SAN? Explain the component and architecture of FC SAN and IP SAN.

4 Attempt any **two** of the following : $10 \times 2 = 20$

- (a) Mention the significance of business continuity. With the principle and techniques, explain how disaster recovery helps in business continuity.
- (b) Write a short note on local business continuity techniques.
- (c) Write down the set of criterion for comparison and assessment of software reliability.

5 Attempt any **two** of the following : $10 \times 2 = 20$

- (a) Present an argument against lines of codes as a measure for software productivity. Does your argument exist when dozens or hundreds of projects are considered?
- (b) Explain the industry management standards SNMP, SMI-S, CIM in brief.
- (c) Differentiate between Re-active and pro-active management practices. Also give an example of both.

