



Printed Pages : 3

TIT-032

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

PAPER ID : 0189

Roll No.

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B. Tech.

(SEM. VIII) EXAMINATION, 2007-08

STORAGE & INFORMATION MANAGEMENT

Time : 3 Hours]

[Total Marks : 100

- Notes :**
- (1) Attempt all questions as per directions given thereof.
 - (2) All questions carry equal marks.
 - (3) Be precise in your answer.
 - (4) No second answer book will be provided.

1 Attempt any **two** parts of the following :

- (a) What are the various factors to be considered at time of data categorization within an enterprise? What are the important benefits businesses achieve by data categorization?
- (b) Discuss about information lifecycle management concept in detail by taking an example of an enterprise of your own choice.
- (c) What is evolutionary concept of accommodate storage need by a data center considering only numerical data and also for the second case of an only categorical data?

2 Attempt any **two** parts of the following :

- (a) Compare and contrast integrated vs. modular arrays.
- (b) Discuss some of the storage system connectivity protocols by giving your attention towards their major drawbacks.

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- (c) Discuss one latest algorithm for array caching with highlighting its salient features.

3 Attempt any **two** parts of the following :

- (a) Discuss about fibre channel principles and standards. You have been asked to build a network based course registration system for your university. Give the specification of the system you needed to implement this project.
- (b) What are the salient features of standard SCSI, FCIP and FCP? Discuss in brief.
- (c) Discuss about management principle of content addressable storage (CAS). What are the major advantages and disadvantages of CAS in comparison to other available storage technologies?

4 Attempt any **two** parts of the following :

- (a) What are the major sources of disaster in information management? Why is it "futile to try to estimate risk?" Consider this first from a technical and then from an economic point of view.
- (b) Write a short note on the set of criteria for comparison and assessment of software reliability.
- (c) Information project management is comprised of activities that include measurement, estimation, risk analysis, scheduling, tracking and control. Discuss with suitable examples.

5 Attempt any **two** parts of the following :

- (a) Many software projects are so large that a number of software development teams must be formed; recommends a management structure for coordinating multiple teams. What are some of the potential problems that can arise?



- (b) Present an argument against lines of codes as a measure for software productivity. Will your argument exist when dozens or hundreds of projects are considered?
- (c) Your firm has just decided to build a new headquarters building in a suburban area. You have been assigned to work with the architect on plans for making the new building intelligent that is, capable of supporting the computing and telecommunications. What factors would you consider? List the metrics to be considered for the same.
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