Total No. of Questions :10]   *[Total No. of Printed Pages :3*

Roll No ....

CS/IT - 703
B.E. VII Semester
Examination, December 2012
Information Storage and Management

Time : Three Hours

Maximum Marks : 100   **Minimum Pass Marks :35**

Note: Attempt *One* question from each unit.
All questions carry equal marks.

UNIT - I

1 (a) Explain in brief about the evolution of storage technology & Architecture?   10

   (b) What do you understand by information life cycle? Explain.   10

OR

2. Explain Briefly the following :   (20) 5 each

   (i) Data and its types

   (ii) Information

   (iii) Information life cycle Management (ILM) implementation

   (iv) ILM benefits.

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[2]

UNIT - II

3. (a) Write a short note an different levels of RAID and compare them.   10

   (b) Discuss the impact of random and sequential I/O in different RAID configuration.   10

OR

4. (a) Which components constitute the disk service time? Which component contributes the largest percentage of a disk service time in a random I/O operation.   10

   (b) Write a short note on stripping & Mirroring?   10

UNIT - III

5. (a) What are the security & Limitations of DAS?   10

   (b) What is NAS? Explain how the performance of NAS can be affected if the TCP window size at the sender and receiver are not synchronized.   10

OR

6. (a) What do you understand by zoned bit Recording and logical block addressing?   10

   (b) Discuss the advantage of FC-SW over FC-AL.   10

UNIT - IV

7. (a) What are the Key Requirement for Data Centre Elements? Explain.   10

CS/IT - 703   PTO

[3]

(b) What do you understand by Industry Management standards? Explain in Brief? 10

OR

8. (a) What do you understand by key management metrics? Explain. 10

(b) What do you understand by backup & Disaster recovery? Explain. 10

UNIT - V

9. (a) What are the essential characteristics of cloud computing? 10

(b) Explain in Brief about the architectural framework of cloud computing. 10

OR

10. Write short note on the following : (20) 5 each

i) Cloud computing evolution

ii) Cloud service providers & models.

iii) Cloud Security & Integration.

iv) Cloud Application.

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