Roll No ....

IT - 502

B.E. V Semester

Examination, December 2015

Information Storage and Management

Time : Three Hours

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Note: i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.

   ii) All parts of each questions are to be attempted at one place.

   iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.

   iv) Except numericals, Derivation, Design and Drawing etc.

Unit-I

1. a) What is data proliferation?
   b) How data is categorized in an enterprise?
   c) What problems arise due to data proliferation?
   d) What is Information Life cycle Management (ILM)? Explain characteristic and benefits of ILM.

OR

Discuss storage infrastructure components.

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2. a) What is hot sparing?
   b) What is clustering in storage?
   c) Discuss contrast of integrated Vs modular array.
   · d) Discuss RAID levels and parity algorithm in detail.

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OR

What is storage array? Explain classification of storage array in terms of modular and monolithic.

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3. a) What is JBOD?
   b) What are the limitation of NAS?
   c) Describe the SCSI command model.
   d) Explain how LUN masking and zoning is used as a SAN security mechanism.

OR

Explain features and benefits of Context Addressable Storage (CAS).

Unit-IV

4. a) What is significance of data center in storage technology?
   b) What is SNMP?
   c) What kind of storage management initiative is taken by industry management?
   d) Explain briefly about backup technologies.

OR

What are different challenges in storage virtualization?

Unit-V

5. a) What is cloud?
   b) List down the benefits of cloud.
   c) What are the methods of cloud security?
   d) Discuss essential characteristics of cloud computing.

OR

What are the applications and services an cloud? Discuss with example.

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