

Information Storage & Management

MCA 402-QB

Unit 1

1. What is Data and how can you classify it? What do you mean by Data Proliferation?
2. Explain the evolution of various storage technologies along with its architecture.
3. Explain different types of storage media and Data Categorization.
4. What are the components of storage infrastructure?
5. Explain in detail Information Life Cycle Management along with its characteristics, benefits, and diagram.

Unit 2

1. What do you understand by intelligent disk subsystems and intelligent storage array?
2. Discuss the components of an intelligent storage system.
3. Describe the architecture of intelligent disk subsystems.
4. Explain in detail Disk physical structure components, properties, performance and specifications.
5. Explain RAID levels in details.
6. What do you understand by striping and parity technique?
7. What do mean by hot spares, command queuing and its algorithm?
8. What do you mean by front end to host storage provisioning?
9. Discuss the process of mapping user files to the disk storage subsystems.
10. Differentiate between integrated and modular arrays.

Unit 3

1. What do you understand by JBOD?
2. Explain DAS along with its types, security, benefits and limitations.
3. Explain NAS along with its benefits, performance, and standards.
4. Discuss the types of NAS implementations and its limitations.
5. Discuss the components and applications of CAS.
6. What are the applications and components and limitations of SAN.
7. Discuss the various SAN connectivity components.

8. What are the different types of management in SAN implementation and its levels.

Unit 4

1. Discuss the role of industry management standards in SAN management.
2. What do you understand by Virtualization and its types?
3. What do you mean by virtual SAN?
4. What is data center and its core elements, also describe the key requirements for data center elements?
5. What are the major backup considerations and its purpose?
6. Discuss the methods of backup and major recovery considerations.
7. Explain backup and restore operations.
8. Explain the key management metrics and industry management standards.
9. What do you understand by standard framework applications?

Unit 5

1. What do you mean by cloud and the term cloud computing?
2. What is cloud storage and how can you classify it?
3. Define the terms used in cloud vocabulary.
4. Explain the architectural framework of cloud.
5. What are the benefits of adopting a cloud? Also explain the services and applications on cloud.
6. What do you understand by cloud service provider and its models?
7. Explain the essential characteristics of cloud computing.
8. Discuss security and encryption in cloud computing.

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