

Roll No

MCA-402

M.C.A. IV Semester

Examination, November 2019

Information Storage And Management

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Give an overview of various storage infrastructure components.
b) What is Information Life Cycle Management? Explain with a suitable diagram.
2. a) What is Intelligent Disk Subsystem? Discuss component architecture of intelligent disk subsystems.
b) What is the meaning of RAID? Define all RAID levels.
3. a) What is Hot sparing? Explain it in detail.
b) Explain the evolution of storage technology and its architecture.
4. Describe following technologies in detail
 - a) NAS
 - b) SAN
 - c) CAS
5. a) What are the key management metrics of Data center? Explain them.
b) What are the various business/ technical considerations for implementing a backup solution and how do these considerations impact the backup solution?

6. Explain the following Industry management standards
 - a) SNMP
 - b) SMI-S
 - c) CIM
7. a) What is Cloud computing? Give essential characteristics of cloud computing.
b) What are the different deployment models of cloud computing? Explain them.
8. Write short notes on any two of the followings.
 - a) JBOD
 - b) Virtualization
 - c) Backup and Disaster recovery
