

UNIT- IV

7. a) Determine the issues associated with IP network that affect NAS performance. CO4 (06)
b) Compare Hierarchical file system versus flat address space. CO4 (06)
c) Illustrate a file-serving environment before and after the implementation of file-level virtualization. CO4 (08)
8. a) What is NAS? Discuss the three common NAS implementations. CO4 (10)
b) Explain the process of storing objects and retrieving objects in object-based storage devices(OSD) with a neat diagram. CO4 (10)

UNIT - V

9. a) Explain the set of tasks involved in business impact analysis. CO5 (07)
b) With a neat sketch explain the BC planning life cycle stages. CO5 (06)
c) A storage array dials a support center automatically whenever an error is detected. The vendor's representative at the support center can log on to the service processor of the storage array through the Internet to perform diagnostics and repair. CO5 (07)
Discuss the security concerns in this environment and provide security methods that can be implemented to mitigate any malicious attacks through this gateway.
10. a) A system has three components and requires all three to be operational during 8 am to 5 pm, business hours are Monday through Friday. CO5 (08)
Failure of component 2 occurs as follows:
• Monday = 8 am to 11 am
• Tuesday = No failure
• Wednesday = 4 pm to 7 pm
• Thursday = 5 pm to 8 pm
• Friday = 1 pm to 2 pm
Calculate the MTBF, MTTR and availability of component 2.
- b) Illustrates the example for importance of monitoring security in a storage array with neat diagram. CO5 (08)
- c) Justify how implementing an ILM strategy will directly address the challenges of information management. CO5 (04)
