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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Fourth Semester M.Sc Degree Examination, March 2018
CSS4E01(4)– Storage Area Networks
(2016 Admission onwards)

Max. Time: 3 hours   Max. Weightage: 36

Part A
Answer all questions. Each question carries 1 weight

1. What is meant by Storage Area Network?
2. What are the factors that limit the suitability of SCSI for realization of SAN?
3. Write a short note on FC 0 layer.
4. What is meant by "eye of the needle" problem?
5. What are the advantages of Shared Disk File Systems?
6. Define: storage virtualization.
7. Explain mirroring.
8. Discuss the advantages of G Ports over other ports?
9. Differentiate: server centric and storage centric IT architecture.
10. What is meant by Intelligent Disk Subsystems?
11. What are the different types of IO channels?
12. Compare RAID 0 and RAID 1.

(12 x 1 = 12 Weightage)

Part B
Answer any 6 questions. Each question carries 2 weight

13. Discuss the advantages of NAS.

14. Distinguish: NAS and SAN.

15. Discuss about Direct Access File System

16. Explain about the services offered by Fabric OS.

17. How can we say that a particular HBA is reliable?

18. Differentiate between JBOD and RAID.

19. Discuss frames in FC.

20. Discuss the disadvantages of server centric IT storage.

21. Explain LUN masking.

(6 x 2 = 12 weightage

Part C
Answer any 3 questions. Each question carries 4 weight

22. Discuss various layers of FC.

23. Explain about the points to be considered while implementing storage virtualization.

24. Explain about RAID levels.

25. Discuss FC topologies.

26. Explain about major components of a SAN.

27. Explain about classes of service available in FC.

(3 x 4 = 12 weightage