B.C. A. DEGREE END SEMESTER EXAMINATION - OCTOBER/NOVEMBER 2018

SEMESTER –5: BACHELOR OF COMPUTER APPLICATION (BCA) (VOCATIONAL COURSE)

COURSE: **16U5VCBCA5: FUNDAMENTALS OF STORAGE**

(For Regular - 2016 admission)

Time: Three Hours   Max. Marks: 75

SECTION A

Answer all the following (1 marks each)

1. What are the components of LVM?

2. Describe Command Line Interface?

3. What is the significance of storage?

4. What is the significance of Storage array in Data center Infrastructure?

5. What is termed as landing zone in disk drive?

6. Define Full Stroke

7. What is linear recording method in tape drives?

8. What is cumulative backup?

9. What is Information Alert?

10. What is fatal alert?   (1 x 10 = 10)

SECTION B

Answer any 8 (2 marks each)

11. What is replication? Explain the types of replication.

12. Describe File system snapshot of local replication

13. Explain Information Life cycle management.

14. Write short notes on Internet Protocol SAN.

15. Write short notes on disk drive Spindle.

16. Differentiate between block level access and file level access.

17. Explain how the backup system works?

18. Describe the benefits of using Virtual Tape Library and physical tape library.

19. Describe availability management with example.

20. Describe briefly about security monitoring?   (2 x 8 = 16)

SECTION C

Answer any 5 (5 marks each)

21. Explain pointer based full volume replication in Storage array based replication

22. Compare the consistency of a replicated file system and database.

23. Write short notes on managing storage infrastructure.

24. What is track and sector in the disk platter?

25. Explain the structuring of a physical data.

26. Write short notes on Virtual Tape Library.

27. Explain security monitoring with example.   (5 x 5 = 25)

SECTION D

Answer any 2 (12 marks each)

28. Explain data center elements and the key requirements for it.

29. Which components contributes to the disk service _me? Discuss each component in detail.

30. Explain in detail Backup Topologies

31. Discuss with example how you will monitor the storage for all the parameters involved in monitoring.   (12 x 2 = 24)