FUTURE VISION BIE

One Stop for All Study Materials
& Lab Programs

Future Vision

By K B Hemanth Raj

Scan the QR Code to Visit the Web Page

Or
Visit : https://hemanthrajhemu.github.io

Gain Access to All Study Materials according to VTU, CSE – Computer Science Engineering, ISE – Information Science Engineering, ECE - Electronics and Communication Engineering & MORE...

Join Telegram to get Instant Updates: https://bit.ly/VTU_TELEGRAM

Contact: MAIL: futurevisionbie@gmail.com

INSTAGRAM: www.instagram.com/hemanthraj_hemu/

INSTAGRAM: www.instagram.com/futurevisionbie/

WHATSAPP SHARE: https://bit.ly/FVBIESHARE

CBCS SCHEME

15CS754

Seventh Semester B.E. Degree Examination, Dec.2019/Jan.2020
Storage Area Networks

Time: 3 hrs.   Max. Marks: 80

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

1 a. Explain with neat diagram the Evolution of storage Architecture.   (06 Marks)
   b. Discuss core Elements of Data center and key characteristics of Data center.   (10 Marks)

OR

2 a. Describe with neat block diagram the components of Intelligent storage system.   (08 Marks)
   b. With diagram explain different RAID Techniques.   (08 Marks)

Module-2

3 a. Explain with neat diagram the components of Fiber Channels (FC) storage Area Networks.
                                                                                            (08 Marks)
   b. What is zoning? Explain its types.   (08 Marks)

OR

4 a. Discuss different iSCSI Topologies with neat diagrams.   (08 Marks)
   b. Write short notes on Fiber Channel Over Ethernet (FCOE).   (08 Marks)

Module-3

5 a. Discuss different back up Topologies.   (08 Marks)
   b. What is data deduplication ? Explain its implementation methods.   (08 Marks)

OR

6 a. Explain local Replication technology using Host based methods.   (06 Marks)
   b. Write a short notes on the following ;
      i) Three site Replications ii) Network based Remote Replication.   (10 Marks)

Module-4

7 a. Explain the characteristics of clouds computing.   (04 Marks)
   b. Discuss cloud Deployment models.   (06 Marks)
   c. Explain Cloud computing Infrastructure.   (06 Marks)

OR

8 a. Discuss the steps involved in transitioning from classic data center to cloud computing
      Environment service.   (08 Marks)
   b. Write a short notes on the following :
      i) Business drives for cloud computing
      ii) Cloud migration considerations.   (08 Marks)

Module-5

9 a. Explain the different types of security threats.   (06 Marks)
   b. Discuss security solutions for FC – SAN and IP-SAN.   (10 Marks)

OR

10 a. Explain the various information infrastructure components in classic and virtual
      Environments.   (08 Marks)
   b. Write a short notes on the following :
      i) Information Life Cycle Management (ILM).   ii) Storage Tiering.   (08 Marks)

* * * * *