

TB174715C

Reg. No:

Name:

BCA DEGREE (C.B.C.S.S) EXAMINATION, MARCH 2019
(2017 Admissions Regular, 2016 Admissions Improvement/Supplementary)
SEMESTER IV- CORE COURSE
(CLOUD TECHNOLOGY AND INFORMATION SECURITY MANAGEMENT)
CA4B09TB – PRINCIPLES OF VIRTUALIZATION

Time: Three Hours

Maximum Marks: 80

PART A

I Answer all questions. Each question carries 1 mark.

1. Define virtualization.
2. Expand MBR.
3. List down the types of Application Virtualization.
4. Define RDP.
5. What do you meant by Virtual Machine Monitor?
6. How does ESXi ensure security?

(6x1=6)

PART B

II Answer any seven questions. Each question carries 2 marks

7. What are the benefits of server virtualization?
8. What do you meant by data replication? Which are the replication technologies used for disaster recovery?
9. What do you meant by protection ring in O.S?
10. What does it means if the Network adapter connection to the virtual machine is "Microsoft Lookback Adapter"?
11. What is Remote App?
12. What is the purpose of Dropbox LAN Sync?
13. State the need for automated role-based Application Provisioning.
14. What are the top level performance counters to be monitored in Hyper-V?
15. Explain the 2 types of hypervisors.
16. Differentiate Simple Install and Custom Install in vCenter deployment process.

(7x2=14)

PART C

III Answer any five questions. Each question carries 6 marks

17. How VMware helps with disaster recovery?
18. How do you configure Virtual Machine Resources?
19. How do you create and manage Virtual Hard Disk?
20. List and explain the RDS Components.
21. Illustrate how to create a cloud collection of Azure RemoteApp.
22. How do you (i) create Hyper-V virtual network and (ii) assign virtual machines to virtual networks?
23. Write a short note on VMware vCenter.
24. What is a Snapshot? Explain the different options available in snapshot.

(5x6=30)

PART D

IV Answer any two questions. Each question carries 15 marks

25. What is Virtualization? Briefly explain the different Virtualization technologies?
26. Illustrate how to create, deploy and maintain images in your PC.
27. Illustrate how to configure RD Web Access?
28. Explain any one of the Virtual Machines in detail.

(2x15=30)