

Reg. No.....

Name.....

18U523

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

SEMESTER – 5 : BACHELOR OF COMPUTER APPLICATIONS (VOCATIONAL COURSE)

COURSE: 16U5VCBCA3 : PRINCIPLES OF VIRTUALIZATION

(For Regular - 2016 Admission)

Time: Three Hours

Max. Marks: 75

Section A

Answer all (1 marks each)

1. Differentiate between host machine and guest machine?
2. Define the term 'Server Sprawl'?
3. How can we classify the consolidation projects according to Gartner research?
4. Define Virtual Disk?
5. What is the latest Microsoft Technology for Windows 7?
6. What do you mean by RD Licensing?
7. Which component is responsible for enabling single Sign-On for users?
8. What do you mean by ESXi?
9. Define Private Virtual Network?
10. What is VMKernel?

(1 x 10 = 10)

Section B

Answer any 8 (2 marks each)

11. List down the limitations of VMware.
12. What is the need of SRM as a Disaster recovery tool?
13. List any 4 guidelines developed by VMware for the better performance of Virtual Machines.
14. How can you install O.S in your Virtual Machine?
15. What is the drawback of creating virtual machines with available default configuration?
16. Which Azure RemoteApp collection is suitable for handling confidential data?
17. What is the role of RD Gateway?
18. What do you mean by XenDesktop?
19. What are the methods to install vCenter Server?
20. Differentiate between vSphere Client and vCenter Server.

(2 x 8 = 16)

Section C

Answer any 5 (5 marks each)

21. Explain I/O Virtualization Architecture with a neat diagram?
22. Explain the different steps for planning Server Consolidation?
23. Describe how to implement hardware virtualization?

24. Differentiate Desktop Virtualization and Hardware Assisted Virtualization?
25. Illustrate the steps to install Remote Desktop Services on Windows?
26. How do you create a virtual machine?
27. What happens when we create a snapshot?

(5 x 5 = 25)

Section D

Answer any 2 (12 marks each)

28. What are the challenges in developing, testing and deploying applications? What is the role played by VMware virtualization to overcome those challenges?
29. Discuss in detail about the different hardware that are available for Virtual Machine in Virtual Network?
30. Explain in detail about the pros and cons of Remote Desktop Service?
31. i. Write short note on Hyper-V Virtual Networking?
ii. Elaborate and illustrate on the steps for creating Hyper-V Virtual Network?

(12 x 2 = 24)