

Reg. No

Name

BCA DEGREE END SEMESTER EXAMINATION - OCTOBER 2019
SEMESTER 5 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY
COURSE : 16U5VCBA3 : PRINCIPLES OF VIRTUALIZATION
(For Regular - 2017 Admission and Supplementary - 2016 Admission)

Time : Three Hours

Max. Marks: 75

Section A**Answer all Questions (1 marks each)**

1. What is the other name of Type II hypervisor?
2. Define VCB in disaster recovery process ?
3. How can we classify the consolidation projects according to Gartner research?
4. What is VMCI?
5. Expand MBR.
6. What is the purpose of the tool "havdetectiontool.exe"?
7. List any four Virtualization technologies?
8. What is the former name of Microsoft Azure?
9. What do you mean by ESXi?
10. What are the major components of VMware Vsphere?

(1 x 10 = 10)

Section B**Answer any 8 (2 marks each)**

11. What is the need of SRM as a Disaster recovery tool?
12. What is the cost(limitations) of virtualization?
13. How can you install O.S in your Virtual Machine?
14. How do you allocate DVD/CD Drive and Floppy Drive for a Virtual Machine?
15. Describe the steps of publishing an application to different users?
16. Differentiate between Cloud collection and Hybrid collection?
17. Write short note on RD connection Broker?
18. What are the methods to install vCenter Server?
19. How can you view snapshot details in a virtual machine?
20. What is External Virtual network in Hyper-V?

(2 x 8 = 16)

Section C**Answer any 5 (5 marks each)**

21. Define Server Consolidation? Explain about the different consolidation projects according to Gartner research?
22. Mention the benefits of VMware for Server consolidation.

23. Explain the steps to enable virtualization in PC BIOS?
24. Differentiate Desktop Virtualization and Hardware Assisted Virtualization?
25. Explain the working of Role based Application Provisioning.
26. How do you create a virtual machine?
27. What are the different virtual disk types available when creating a virtual disk?

(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. Elaborate about the different ways to allocate Virtual Machine's system resources?
30. Explain about the commonly used tools for application and file sharing between computers?
31. Describe the Hyper-V Virtual Networking architecture?

(12 x 2 = 24)