



BRAINWARE UNIVERSITY

Term End Examination 2018 - 19

Programme– Master of Science in Hardware & Networking

Course Name –Virtualization

Course Code – MHN203

(Semester – 2)

Time allotted:3 Hours

Full Marks : 70

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group –A

(Multiple Choice Type Question)

10 x 1 = 10

1. *Choose the correct alternative from the following*
 - (i) In VMware FT stands for _____?
 - a. Fault Task
 - b. Fault Tolerance
 - c. Faulty Tools
 - d. Feasibility Task
 - (ii) What is the name of the globally unique identifier assigned to each Fibre Channel Port?
 - a. IP Address
 - b. MAC Address
 - c. World Wide Name
 - d. Port_ID
 - (iii) To improve the security which new feature has been added to ESXi?
 - a. Firewall
 - b. Local Mode
 - c. Anti-Virus
 - d. Expanded space for Xeon
 - (iv) Which application is used to control ESXi hosts centrally?
 - a. Vmotion
 - b. Vclient
 - c. Vcenter
 - d. HA cluster
 - (v) In VMware VMFS stands for _____?
 - a. Virtual Machine Fault System
 - b. Virtual Machine File System
 - c. Virtual Machine Feasibility Study
 - d. Virtual Management file System

- (vi) In general our storage choice should depend on what factor?
- a. The cost of the networking adapters
 - b. The speed of the networking adapters
 - c. The cost of the host servers
 - d. The speed of the host adapters
- (vii) What is the packaging format used by VMware ESXi image builder?
- a. .rar
 - b. .zip
 - c. .iso
 - d. .vib
- (viii) In which of the following types of Virtualization are application stored and executed on the server?
- a. Application Virtualization
 - b. Storage Virtualization
 - c. Presentation Virtualization
 - d. Server Virtualization
- (ix) Your colleague has accidentally allocated more Vram that your company licensed for .What will happen to our virtual machines?
- a. All VM's will be powered on
 - b. New VM's can be powered on
 - c. VMware will be notified
 - d. Nothing will happen
- (x) Moving virtual workloads from one physical server to another with no downtime is called:
- a. Sever provisioning
 - b. Disaster recovery
 - c. High availability
 - d. Live migration

Group – B

(Short Answer Type Questions)

3 x 5 = 15

Answer any *three* from the following

- 2. Define Virtualization procedure. [5]
- 3. What is VMware consolidated backup? [5]
- 4. Define Templates. [5]
- 5. What is FT in ESXi? [5]
- 6. What is Cluster in VMware? [5]

Group – C

(Long Answer Type Questions)

3x 15 = 45

Answer any *three* from the following

- 7. (a) Discuss standard switch and Virtual switch with a neat diagram in respect to ESXi [8]
- (b) What are the minimum requirements for installing Type 1 Hypervisors? [7]

8. (a) What is the difference between VMware HA and Vmotion? [5]
(b) What is bare-metal Hypervisor? [5]
(c) What is the different between Virtual Machine and Physical machine? [5]
9. (a) Describe VMware DRS and how does it works. [8]
(b) What is the difference between Thick provision Lazy Zeroed, Thick provision Eager Zeroed and Thin provision? [7]
10. (a) What is Data store? [5]
(b) What is VMware HA? [5]
(c) Define virtual machine. [5]
11. (a) Explain the functionality of Open Filer in ESXi. [7]
(b) What is Vsphere? [6]
(c) Define Vcenter? [2]
