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Vendor: VMware

Exam: VCP-310

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**Q: 1 Which is a valid traffic shaping adjustment?**

- A. average bandwidth adjusted in Kbps
- B. average bandwidth adjusted in Mbps
- C. maximum bandwidth adjusted in Kbps
- D. maximum bandwidth adjusted in Mbps
- E. burst bandwidth adjusted in Kbps

**Answer: A**

**Q: 2 Which two statements are true about virtual switches in ESX Server? (Choose two.)**

- A. Virtual switches can be created with or without physical NICs.
- B. Virtual switches cannot be created without physical NICs.
- C. A VMotion port group must not be created on a virtual switch used for virtual machine traffic.
- D. A service console port group can be created on a virtual switch used for virtual machine traffic.

**Answer: A, D**

**Q: 3 Which of the following are benefits of using resource pools? (Choose Three.)**

- A. access control and delegation
- B. decreased virtualization overhead

- C. flexible hierarchical organization
- D. improved network utilization
- E. isolation between pools, sharing within pools

**Answer: A, C, E**

**Q: 4 Which of the following resources can be managed using resource pools?**

- A. Memory
- B. Network
- C. I/O
- D. Disk

**Answer: A**

**Q: 5 In a fully automated DRS cluster, what can be done to ensure a particular VM does not migrate automatically to another host?**

- A. set the DRS VM options for the particular VM to Partially Automated mode
- B. use the Affinity Wizard to specify Manual Automation mode
- C. do nothing because the DRS cluster must be put in Partially Automated mode to allow this level of control
- D. set the DRS VM rule to keep on this host

**Answer: A**

**Q: 6 Which memory allocation technique allows physical memory to be reclaimed from virtual machine A and redistributed to virtual machine B, possibly forcing virtual machine A to swap internally?**

- A. VMkernel Swap
- B. Transparent Page Sharing
- C. RAM Overcommit
- D. Memory Balloon Driver

**Answer: D**

**Q: 7 Virtual Center 2.X supports which two database products for production use? (Choose Two.)**

- A. MySQL
- B. Oracle
- C. Microsoft SQL Server
- D. Microsoft MSDE

**Answer: B, C**

**Q: 8 Which is a valid reason NOT to set CPU affinity on a single VM?**

- A. Setting CPU affinity will monopolize a CPU making it unusable for other VMs on the server.
- B. CPU affinity can only be set on hyperthreaded systems.
- C. A virtual machine with CPU affinity might not receive all of its reserved CPU resources.
- D. CPU affinity settings are ignored when using VMotion.

**Answer: C**

**Q: 9 It appears that a virtual machine (VM) is having performance problems because it does not have enough CPU resources available.**

**Which of the following methods could be used to guarantee a VM gets 100% of a CPU on the host when it needs it? (Choose Two.)**

- A. set the CPU limit for this VM to 100%
- B. set CPU affinity on that virtual machine, pinning it to a CPU 1
- C. set the CPU reservation for this VM to 100%
- D. set CPU affinity on that VM, pinning it to CPU 1 and set CPU affinity on all other VMs so that they specifically cannot use CPU 1

**Answer: C, D**

**Q: 10 What are valid methods of installing the Virtual Infrastructure Client? (Choose Two.)**

- A. run the Virtual Infrastructure Client installer from the VirtualCenter installation media
- B. using VirtualCenter Server installer, choose the custom install option and select the Virtual Infrastructure Client from the list
- C. download and run the Virtual Infrastructure Client installation program from the VirtualCenter Server with a Web Browser
- D. use the MSI installer file from the VirtualCenter installation media to publish the application with Active Directory

**Answer: A, C**

**Q: 11 What is the advantage of installing backup client software in a Linux virtual machine's guest OS?**

- A. This configuration enables individual files to be selected for backup or restore.
- B. This configuration enables ESX Server to do backup and restore operations.
- C. This configuration enables LAN-free backup.
- D. This configuration enables immediate booting from a restored virtual machine.

**Answer: A**

**Q: 12 VirtualCenter Server is running within a virtual machine (VM) that is part of a VMware HA and DRS cluster. The VirtualCenter VM can migrate between all hosts in the cluster by using VMotion. DRS is configured for partial automation. What happens if the ESX host that is currently running the VirtualCenter VM experiences a power outage?**

- A. All DRS cluster operations will be unavailable until the ESX host is brought back online.
- B. VMware HA will restart the VirtualCenter VM on another host.
- C. This situation cannot occur because VirtualCenter cannot be installed on a VMware HA cluster.
- D. VirtualCenter will stay offline, but all virtual machines on the remaining hosts will continue without interruption.

**Answer: B**

**Q: 13 In a resource-constrained environment, which ESX Server memory conservation technique has the LEAST negative effect on the performance of a running virtual machine?**

- A. vmmemctl
- B. using the .vswp file
- C. Transparent Page Sharing

D. lowering the Reservation variable

**Answer: C**

**Q: 14 Which pre-defined role can assign permissions to users?**

- A. Virtual Machine User
- B. Administrator
- C. Virtual Machine Administrator
- D. Datacenter Administrator

**Answer: B**

**Q: 15 What is the meaning of a red DRS cluster?**

- A. Yellow clusters will become red after 15 minutes if DRS is unable to dynamically balance the load.
- B. Red clusters indicate virtual machines are using more resources than the fixed reservation allows.
- C. At least one host in the cluster is attempting to go into Maintenance mode.
- D. Red clusters are the highest priority and will receive resource allocations first.

**Answer: B**

**Q: 16 A physical Network device associated with a vSwitch is overloaded: Which of the following actions can be taken to reduce the overload? (Choose Three.)**

- A. move virtual machines from the affected vSwitch to other available vSwitches



- B. configure additional VLAN port groups on the same vSwitch
- C. add the VMkernel TCP/IP networking stack
- D. configure traffic shaping
- E. add an additional vmnic to the affected vSwitch

**Answer: A, D, E**

**Q: 17 Which statement is true about the database used for VirtualCenter evaluations?**

- A. The optional MSDE database can only be used if installed prior to running the VirtualCenter installer.
- B. MS Access may be used as an evaluation database, but it must be upgraded before VirtualCenter is used in a production environment.
- C. The VirtualCenter installer provides the option to automatically install and configure an MSDE database.
- D. Evaluation licenses do not allow VirtualCenter to connect to a remote database.

**Answer: C**

**Q: 18 Click the Exhibit button.**




**Assuming this is the only virtual machine, and the only resource pool, what is the maximum amount of memory that could be assigned to the virtual machine that is part of the Finance Resource Pool?**

**Finance**

Summary Virtual Machines Resource Allocation Performance Tasks & Events Alarms Permissions Maps

General		Resources	
Number of Virtual Machines:	1	CPU usage:	20 MHz
Number of Running Virtual Machines:	0	Memory usage:	57 MB
Number of Child Resource Pools:	0		

CPU		Memory	
Shares:	Normal (4000)	Shares:	Normal (163840)
Reservation:	0 MHz	Reservation:	0 MB
Type:	Expandable	Type:	Expandable
Limit:	Unlimited	Limit:	Unlimited
Unreserved:	9496 MHz	Unreserved:	3009 MB

Commands	
	New Virtual Machine
	New Resource Pool
	Edit Settings

- A. 163840 MB
- B. 3009 MB
- C. 160831 MB
- D. 57 MB

**Answer: A**

**Q: 19** What are the three possible storage multi-pathing policies that you can set in ESX Server 3.5? (Choose Three.)

- A. Fixed
- B. Persistent Binding
- C. Open Shortest Path First (OSPF)
- D. Most Recently Used (MRU)
- E. Round Robin

**Answer: A, D, E**

**Q: 20 What is the maximum number extents of a VMFS3 volume?**

- A. 128
- B. 32
- C. 64
- D. 256

**Answer: B**