

1) Which of the following type of virtualization is also characteristic of cloud computing?

- a) Storage
- b) Application
- c) CPU
- d) All of the mentioned

2) Point out the correct statement.

- a) A client can request access to a cloud service from any location
- b) A cloud has multiple

application instances and directs requests to an instance based on conditions

c) Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

d) All of the mentioned

3) Type VM is full virtualization.

(a) 1

(b) 2

(c) 3

(d) All of the above

- 4) In which of the following types of virtualization are applications stored and executed on the server?
- a. application virtualization
 - b. storage virtualization
 - c. presentation virtualization
 - d. network virtualization
 - e. server virtualization

- 5) What is Virtualization?
- a) Transforming software into service
 - b) Transforming hardware into

service

c)Transforming software into hardware

d)Transforming data into information

6)What are the benefits to virtualization?

a)Cost savings, no administration, complex configuration, de-centralized management

b)Reduce downtime, centralized management

c)Cost savings, reduce

downtime, ease of configuration, centralized management

d) Ease of configuration, cost savings

7) What is the solution for full virtualization?

- (a) Processor
- (b) Application
- (c) Desktop
- (d) Hardware

8) Which of the following is a type of virtualization?

- (a) Storage
- (b) Desktop
- (c) CPU
- (d) All of the above**

- 9) Which of the following are disadvantages of virtualization?
- a) Deploying servers fast
 - b) Disaster recovery
 - c) Software licensing**
 - d) Learning the new infrastructure**

- 10) The virtual machine can be reverted to the original state

through the use of

- a)VMware
- b)snapshots
- c)virtualdisk
- d)none of the above

11)Which is not a benefit of virtualization?

- (a) Flexible and efficient allocation of resources
- (b) Lowers the cost of IT infrastructure
- (c) Remote access and rapid scalability
- (d) Run on single operating

system

12)What is most commonly used for managing the resources for every virtual system?

- (a) Load balancer
- (b) Hypervisor
- (c) Router
- (d) Cloud

13)Docker Machine manage virtual hosts that use _____

- a)Command line
- b)Docker datacenter

- c)Graphical user interface
- d)Any of the above

14)Which of the following is another name for the system virtual machine?

- a.hardware virtual machine
- b.software virtual machine
- c.real machine
- d.none of the above

15)It helps a user to have remote access to an application from a server.

- (a) Application virtualization

- (b) Network virtualization
- (c) Desktop virtualization
- (d) Storage virtualization

16) It is an array of servers that are managed by a virtual storage system.

- (a) Application virtualization
- (b) Network virtualization
- (c) Desktop virtualization
- (d) Storage virtualization

17) ___ is a technology that lets you create useful IT services using resources that are

traditionally bound to hardware.

- a)Virtualization
- b)Docker hub
- c)Docker swarm
- d)All of the above

18)Which of the following provide system resource access to virtual machines?

- A.VMM
- B.VMC
- C.VNM
- D. all of the above

VMM is another name for hypervisor

19) Virtual memory allows

- a) execution of a process that may not be completely in memory
- b) a program to be smaller than the physical memory
- c) a program to be larger than the secondary storage
- d) execution of a process without being in physical memory

20) Which of the following has

the ability to run multiple virtual networks with each having a separate control and data plan.

- (a) Application virtualization
- (b) Network virtualization**
- (c) Desktop virtualization
- (d) Storage virtualization

21) A ___ is a computer software, firmware or hardware that creates and runs virtual machines.

- a)hypervisor
- b)Version control
- c)Virtualization

d)hub

22) Identify virtualizations: Due to binary translation, it often criticized for performance issues.

- (a) Software assisted full virtualizations
- (b) IoT assisted full virtualizations
- (c) Hardware-assisted full virtualizations
- (d) None of these

23) Which of the following

characteristics should you consider when deciding whether to deploy an application or service to a virtual machine?

- a. Hardware requirements
- b. Software support and compatibility
- c. Licensing
- d. Performance and resource requirements
- e. Historical performance data
- f. All of the above

24)What is a virtual machine?

- a) It is a computer file, typically called an image, that behaves like an actual computer.
- b) It is a software for running applications.
- c) It is a machine which allows to run an operating system.
- d) none of the above

25) Which of the following terms describes a situation in which many virtual machines are deployed without proper IT oversight?

- a. Server sprawl

- b. Server consolidation
- c. Network virtualization
- d. Virtual machine sprawl**
- e. Storage virtualization
- f. None of the above

26) Which of the following virtualization management approaches can help organizations maintain optimal hardware resource utilization over time?

- a. Automatically reconfiguring virtual machines based on performance statistics.

- b. Deploying multiple copies of virtual machines to different host servers.
- c. Automatically moving virtual machines based on changes to resource requirements.
- d. Placing virtual machines on isolated virtual network switches.
- e. Storing virtual machines on a Storage Area Network (SAN)
- f. Both a and c

27) Which if the following is not a system requirement for

running Microsoft hyper-V?

- a. A 64-bit-capable CPU
- b. A 64-bit edition of windows server 2008
- c. At least 8gb of physical memory
- d. BIOS and CPU support for the NX(no execute) bit
- e. Virtualization-related CPU extension

28) You are a systems administrator that manages a lab environment for your organization's software

developers and testers. How can you reduce the amount of time and effort you spend on managing the lab environment while providing quicker deployments of new virtual machines?

- a. Create a library of virtual machine templates and copy them to create new VMs
- b. Invest in self-service virtualization provisioning systems
- c. Give developers and testers permissions to create and

deploy new VMs

d. Define standardized configurations for test environment virtual machines

e. All of the above

29) You are a software tester that is testing a complex application that is running within a single virtual machine. You have recently encountered a rare and intermittent software defect that developers have been unable to reproduce or troubleshoot in the past. Which

of the following steps should you take to allow developers to recreate the issue?

- a. Power off the virtual machine and discard any saved state information
- b. Save the state of the virtual machine and provide a copy of it to your developers to troubleshoot the problem
- c. Roll back the state of the virtual machine to a point in time prior to when the defect was discovered
- d. Move the virtual machine to

another host server to which developers have access

30) Virtualization occurs when a _____ running specialized software creates environments within unique single files that _____ other computers.

- a) single computer; manages
- b) database; manages
- c) database; replicates
- d) single computer; replicates**

31) What is the difference

between virtualization and docker?

- a) Docker is a container based technology and containers are userspace of OS. VMs are not container based tech and uses userspace plus kernel of OS.
- b) Docker is a set of PaaS products that uses OS level virtualization to deliver containers.
- c) Virtual machines are same as docker containers.
- d) Virtualization is a technology which is used by docker to

deploy it's containers.

32)What is another term for a virtual machine?

a)Environment

b)Guest

c)Emulator

d)Host

33)Virtual environments are stored as _____.

a)a set of links

b)snapshots

c)a set of files

d)processes in RAM

34) A physical system that runs specialized virtualization software is called a(n)

- a) host
- b) operating system
- c) hypervisor
- d) guest

35) What is one important reason to implement virtualization?

- a) Resource duplication
- b) System management
- c) Online access

d)Hardware installation

36)Which of the following features provides a new storage option for servers hosted in virtualization infrastructure?

- a)Paas-through disk
- b)DNS pool
- c)Virtual fibre channel
- d)Dynamic memor

