

Sample Question

*Here are a few questions that from an older exam. While this exam has the same scope as your exam, your exam may, or may not, contain these questions. Nonetheless, the questions on your exam will have a format similar to these. Best of luck!*

1. Which of the following should an administrator implement when connecting the company's existing network to a public cloud environment to ensure confidentiality of data that is being transmitted?
  - a. A proxy server
  - b. A load balancing solution
  - c. An IPSec tunnel
  - d. A server clustering solution

Answer: C

2. A company has decided to reduce their datacenter size. An administrator for the company has been tasked to virtualize many of the company's servers. Which of the following should the administrator perform to accomplish this goal?
  - a. P2V
  - b. P2P
  - c. V2P
  - d. V2V

Answer: A

3. An administrator needs to provide Internet access to all internal systems using a single IP address. Which of the following should the administrator implement?
  - a. NAT
  - b. Virtual switching
  - c. VLAN tagging
  - d. PHAT32

Answer: A

4. Which of the following technologies would MOST likely be used for personal use to virtualize a desktop?
  - a. Type II
  - b. Type I
  - c. RAID 5
  - d. RAID 0

Answer: A

5. In which of the following cloud services will the customer be responsible for securing provisioned hosts?
  - a. PaaS
  - b. IaaS
  - c. SaaS
  - d. DaaS

Answer: B

6. Which of the following should an administrator perform to harden a VM that has been provisioned in a public cloud environment before deploying the system?

- a. Defrag system
- b. Update drivers
- c. Disable firewall
- d. Patch system

Answer: D

7. Which of the following can be used to encrypt data at rest on a VM located in the cloud?

- a. AES
- b. SSL
- c. TLS
- d. VPN

Answer: A

8. An administrator has been charged with reducing the company's datacenter power utilization. Currently there are 500 physical servers in the datacenter and 600 virtual servers with five additional available host servers. Which of the following should the administrator perform?

- a. Migrate servers using V2V technology
- b. Perform an offline migration of virtual servers
- c. Migrate servers using V2P technology
- d. Migrate servers using P2V technology

Answer: D

9. An administrator is tasked with installing an application patch on a virtual server. The administrator needs the ability to restore the server to its previous state quickly if the patch corrupts the system. Which of the following should the administrator do to accomplish this task?

- a. Install the patch on a development server
- b. Create a full backup
- c. Create a snapshot
- d. Install the patch on a test server

Answer: C

10. After an administrator successfully migrated the last physical application server to a virtual environment, the help desk reported slow performance. Which of the following should the administrator have done FIRST before migrating this server?

- a. Apply operating system patches to the application server after the migration.
- b. Contact the vendor to see if the application is supported in a virtual environment.
- c. Take a backup of the application server after the migration.
- d. Migrate the application server in a test environment and have users test it.

Answer: B

11. Which of the following would be used to establish a dedicated connection in a hybrid cloud environment?

- a. CHAP
- b. AES
- c. PKI
- d. VPN

Answer: D

12. An administrator deployed ten application servers from a single VM template. A senior administrator notices that these ten VMs are not using their resources efficiently. Which of the following is MOST likely the issue with the new servers?

- a. The dynamic resource pool is malfunctioning.
- b. The server is missing security patches.
- c. The VM servers were not properly configured.
- d. There are insufficient resources available on the host.

Answer: C

13. Which of the following storage technologies is file-based?

- a. WAN
- b. DAS
- c. SAN
- d. NAS

Answer: D

14. Which of the following RAID configuration would be used to accomplish disk mirroring with two disks?

- a. RAID 0
- b. RAID 1
- c. RAID 5
- d. RAID 10

Answer: B

15. Which of the following solutions primarily relies on private cloud resources but, based on capacity requirements, may use public cloud resources?

- a. Rapid deployment
- b. Cloud bursting
- c. Multi-tenancy
- d. Pay-as-you-grow

Answer: B

16. An employee is asked to run an instance of a Linux OS while booted up in a Windows OS. Which of the following types of virtualization would be used to meet this requirement?

- a. Type I
- b. Type II
- c. Bare Metal
- d. Native

Answer: B

17. A small startup wins a contest giving them advertising time during a major sporting event. Which of the following cloud characteristics should be in place to handle the possible spike in demand?

- a. Shared disk space
- b. Elasticity
- c. Scalability
- d. Shared memory

Answer: B

18. Which of the following can be used to protect data integrity when information is being written to a SAN from multiple clients?

- a. Port Zoning
- b. SAN Zoning
- c. LUN Masking
- d. Multipathing

Answer: C

19. Which of the following would be employed used to demonstrate the existence of vulnerabilities on a network?

- a. Penetration testing
- b. Vulnerability management
- c. Business impact analysis
- d. Risk assessment

Answer: A

20. A technician wants to isolate storage traffic from other network traffic. Which of the following MUST the technician implement to ensure storage traffic is securely segregated?

- a. VLAN
- b. VMFS
- c. PAT
- d. NTFS

Answer: A

21. Although the SAN appears to be running without any problems, the technician is unable to reach the SAN's web enabled management interface. Which of the following tools can the technician use to QUICKLY find where the communication failure occurred?

- a. arp
- b. traceroute
- c. ping
- d. ipconfig

Answer: B

22. Which of the following can be used to identify an unauthorized individual who accessed a remote network share?

- a. Obfuscation
- b. Authentication

- c. Log review
- d. LUN masking

Answer: C

23. The performance logs on a virtualization server show a large number of pages being written to disk at a high rate. To improve this situation, which of the following should the technician do?
- a. Increase the amount of swap space on the disk
  - b. Increase the amount of physical memory
  - c. Install and provision additional disk space
  - d. Allocate additional CPU power to the guests

Answer: B

24. A catastrophic disk failure occurred on a company's critical database. After a technician performs a full system restore, one of the business units realizes that the current backup does not hold fresh enough information. Which of the following should the company revise?
- a. RTO
  - b. MTTR
  - c. RPO
  - d. MTBF

Answer: C

25. Which of the following protocols is MOST likely used by a switch to communicate status information to an administrator?
- a. SNMP
  - b. SMTP
  - c. NNTP
  - d. HTTP

Answer: A

26. A server has two power supplies such that when the first one fails, the second one automatically is used to provide power to the server. This type of setup is an example of which of the following?
- a. Latency
  - b. Replication
  - c. Redundancy
  - d. Failback

Answer: C

27. A system administrator wants to create a mitigation strategy to quickly roll back a virtual image after applying the latest updates. Which of the following would the administrator utilize?
- a. File backup
  - b. Snapshot
  - c. Offline backup
  - d. Image backup

Answer: B

28. The network administrator creates a DNS A record. Which of the following can identify which IP has been assigned to a Fully Qualified Domain Name (FQDN)?

- a. arp
- b. ipconfig
- c. nslookup
- d. tracert

Answer: C

29. A storage administrator wants to limit an operating system from accessing all of the storage within the array. Which of the following could be enabled on the SAN?

- a. LUN masking
- b. Implement different file formats
- c. Access control lists
- d. Data at rest encryption

Answer: A

30. Which of the following cloud delivery models is deployed over a company intranet or company-hosted datacenter?

- a. Private cloud
- b. Hybrid cloud
- c. Community cloud
- d. Public cloud

Answer: A

31. Which of the following storage technologies would be MOST appropriate for installations where fast data access time is the highest priority?

- a. USB
- b. Tape
- c. HDD
- d. SSD

Answer: D

32. Which of the following access control types allows users to assign security attributes to objects such as files and directories?

- a. Role based
- b. Mandatory
- c. Discretionary
- d. Rule set based

Answer: C

33. Which of the following networking components would be used to connect two subnets in a virtual environment?

- a. Virtual switch
- b. Virtual disks
- c. Virtual router
- d. Virtual HBA

Answer: C

34. Which of the following reduces the risk of known attacks from being successful?
- DLP techniques
  - Patching frequency
  - Mandatory access controls
  - Encryption methods

Answer: B

35. Ubiquitous access to cloud computing means:
- access by any person
  - access by any device through any network connection
  - access by authorized personnel only
  - international access across country borders

Answer: B

36. Which of the following attributes BEST describes “elasticity” in cloud computing?
- Universal access
  - Multi-tenancy
  - Portability
  - Scalable

Answer: D

37. Which of the following access control methods could allow for a network user to sign onto their corporate network and their supplier’s network portal without having to enter their ID and password more than once?
- Discretionary access control
  - Mandatory access control
  - Role-based access control
  - Federated access control

Answer: D

38. Which of the following is MOST important when working in highly available virtual environments?
- Storage VLAN
  - Virtual network
  - Wide area network
  - Heartbeat VLAN

Answer: D

39. Which of the following cloud models would be used when implementing a company’s email system in the cloud?
- PaaS
  - IaaS
  - SaaS
  - XaaS

Answer: C

40. An administrator has configured a cluster but one of the VMs returns an error when attempting to automatically fail-over to another host in the cluster. Which of the following should be verified?
- a. All VLANs have been tagged
  - b. Datacenter bridging has been configured
  - c. All hosts are in the same virtual network
  - d. Multipathing has been configured on the virtual network

Answer: C

41. A new host has been bought to be a part of a new cluster. The purchase order specifies this server has four physical CPUs with eight cores each. After the administrator boots the host, there are only 24 logical processors available for VM allocation. Which of the following BEST describes this problem?
- a. The server requires a firmware upgrade to version 8.2
  - b. The BIOS does not have virtualization support features completely enabled
  - c. The virtualization license is not the enterprise edition
  - d. A CPU is dead on arrival or disabled on the motherboard

Answer: D

42. In a storage fabric, which of the following is the primary way to implement multipathing?
- a. Formatting
  - b. Scaling
  - c. Zoning
  - d. Caching

Answer: C

43. Geo-clustering protects against which of the following?
- a. Data corruptions
  - b. Global disasters
  - c. Denial of Service
  - d. Regional disruptions

Answer: D

44. A cloud based global multiplayer game is an example of which of the following?
- a. CaaS
  - b. SaaS
  - c. PaaS
  - d. IaaS

Answer: B

45. Which of the following would an administrator use to configure a host server when the WAN to the company's network was down?
- a. Console Port
  - b. Virtual Private Network
  - c. Access Control Lists



d. Intrusion Detection System

Answer: A

46. Which of the following tables would an administrator use to find a list of paths to network nodes?

- a. Port table
- b. VPN tagging
- c. ARP table
- d. Route table

Answer: D

47. A company has two datacenters in different cities. When one of the datacenters loses power, there is near instant failover to the other datacenter. Of the following, which best describes this situation?

- a. Warm site
- b. Hot site
- c. Offsite storage
- d. Backup

Answer: B

48. An administrator finds and removes an “any any” allow rule. Which of the following is the administrator MOST likely modifying?

- a. VPN
- b. IDS
- c. SSH
- d. ACL

Answer: D

49. In order for a company that understands its business needs to transition to a cloud solution, which of the following should the company check FIRST before transitioning?

- a. Service level agreements
- b. IT operations policy
- c. Company stock performance
- d. Virtual desktop environment

Answer: A

50. Which of the following is the correct subnet mask for a VM with an IP address configuration of 192.168.1.10/24?

- a. 255.255.0.0
- b. 255.255.248.0
- c. 255.255.255.0
- d. 255.255.255.224

Answer: C

51. What does ARP resolve IP addresses to?

- a. WWPN addresses.

- b. MAC addresses.
- c. IQN addresses.
- d. FQDN addresses.

Answer: B

52. Joe, a network administrator, is working with the security team to determine who deleted files from a file share. Which of the following would the security team ask Joe to provide during the security review?

- a. Packet logs
- b. Syslogs
- c. Network logs
- d. Audit logs

Answer: D

53. An administrator allocates 50GB on a SAN for use by a server. Which of the following describes what the administrator has just created?

- a. Virtual SAN
- b. Storage array
- c. VMFS
- d. LUN

Answer: D

54. Anne, an administrator, receives an alert indicating a disk failure on a highly available server with a local RAID 5 array. When checking the server, Anne confirms a flashing amber light on one of the disks. Which of the following is the correct procedure for replacing this drive?

- a. Remove the old drive, reboot the server, and access the RAID controller. Rebuild the array to RAID 6, and then add the new drive for parity.
- b. Remove the old disk while the server is powered on and operational and replace with a new drive.
- c. Remove the old drive, reboot the server, and access the RAID controller. Rebuild the array to RAID 1, and then add the new drive for parity.
- d. Power off the server and replace with a new drive.

Answer: B

55. Joe, a system administrator, has noticed that a remote facility has entries in his 3-year-old slave LDAP server that has not been updated from its master in about a month. Which of the following failures is MOST likely to have occurred?

- a. Replication from the master site to the remote site has failed.
- b. Replication has not been configured.
- c. Replication to the master site from the remote site has failed.
- d. High latency on the replication connection.

Answer: A

56. Which of the following types of virtual components performs Layer 3 functions between networks in a virtualized environment?

- a. Virtual switch

- b. Virtual router
- c. Virtual NIC
- d. Virtual HBA

Answer: B

57. Which of the following types of storage technologies uses fiber channel protocols?

- a. SAN
- b. DAS
- c. iSCSI
- d. NAS

Answer: A

58. A network administrator needs to manage a virtual switch remotely in a secure manner. Which of the following tools would MOST likely be used?

- a. RDP
- b. SNMP
- c. SSH
- d. Telnet

Answer: C

59. Which of the following would be the FIRST choice to encrypt a laptop hard drive?

- a. DES
- b. TDE
- c. AES
- d. SSL

Answer: C

60. Which of the following refers to the maximum amount of data that can be lost due to a system failure?

- a. MTBF
- b. RTO
- c. MTTR
- d. RPO

Answer: D

61. A security administrator is being hired to perform a penetration test of a third-party cloud provider as part of an annual security audit. Which of the following is the FIRST step that must be performed?

- a. Attempt known exploits
- b. Scan for vulnerabilities
- c. Research publicized incidents
- d. Get written permission

Answer: D