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Time taken 29 mins 5 secs

Grade 41.00 out of 50.00 (82%)

Question 1

Complete

Mark 0.00 out of 1.00

The transmits bits from one computer to another and regulates the transmission of a stream of bits over the physical medium.

Question 2

Complete

Mark 1.00 out of 1.00

Which Cloud computing service would be best for an organization that needs to collaboratively create applications and deliver them over the web?

Select one:

- a. PaaS
- b. ITaaS
- c. SaaS
- d. IaaS

Question 3

Complete

Mark 1.00 out of 1.00

Which command runs several other show commands in order to generate many pages of detailed troubleshooting information?

Select one:

- a. show tech-support
- b. show ip cache
- c. show running-config
- d. show protocols



Question **4**

Complete

Mark 1.00 out of 1.00

Use the show ip sla configuration operation-number command to display configuration values including all defaults for IP SLA operations or for a specific operation.

Select one:

- True
- False

Question **5**

Complete

Mark 1.00 out of 1.00

What is Fog computing?

Select one:

- a. It is a type of computing that sends controller data to a sensor.
- b. It is a type of computing where services are hosted where they are used, such as at the network edge or with end devices.
- c. It is a type of computing that disperses servers and services globally in distributed data centers.
- d. It is a type of computing that enhances P2P applications.

Question **6**

Complete

Mark 1.00 out of 1.00

One of the new challenges associated with the rapid growth of the IoT is securing new devices with varying level of security.

Select one:

- True
- False

Question **7**

Complete

Mark 1.00 out of 1.00

Cable testers

are specialized, handheld devices designed for testing the various types of data communication cabling.

Question **8**

Complete

Mark 1.00 out of 1.00

What is a characteristic of data flow processing in SDN?

Select one:

- a. Each data flow through the network must be approved by the SDN controller first.
- b. The SDN controller attaches an entry to each packet to identify the flow.
- c. The SDN controller routes a data flow first and the data plane will use policies to permit or deny the flow.
- d. OpenStack is used to construct the entry in switches to facilitate data forwarding.

Question **9**

Complete

Mark 0.00 out of 1.00

One of the new challenges associated with the rapid growth of the IoT is developing better routing protocols for new devices

Select one:

- True
- False

Question **10**

Complete

Mark 1.00 out of 1.00

The OSI reference model describes how information from a software application in one computer moves through a network medium to a software application in another computer.

Select one:

- True
- False

Question **11**

Complete

Mark 0.00 out of 1.00

What is a characteristic of the two-tier spine-leaf topology of the Cisco ACI fabric architecture?

Select one:

- a. The leaf switches always attach to the spines, but they never attach to each other.
- b. The spine and leaf switches are always linked through core switches.
- c. The leaf switches always attach to the spines and they are interlinked through a trunk line.
- d. The spine switches attach to the leaf switches and attach to each other for redundancy.

Question **12**

Complete

Mark 1.00 out of 1.00

Which statement describes the physical topology for a LAN?

Select one:

- a. It depicts the addressing scheme that is employed in the LAN.
- b. It shows the order in which hosts access the network.
- c. It describes whether the LAN is a broadcast or token-passing network.
- d. It defines how hosts and network devices connect to the LAN.

Question **13**

Complete

Mark 1.00 out of 1.00

A is software that creates and runs VM instances and can be installed directly on hardware or run as an application on an OS.

Question **14**

Complete

Mark 0.00 out of 1.00

The show cdp neighbors detail command is used to obtain detailed information about directly connected Cisco neighbor devices.

Select one:

- True
- False

Question **15**

Complete

Mark 1.00 out of 1.00

Which component in a traditional infrastructure device provides Layer 2 and Layer 3 functions to create data paths within a network?

Select one:

- a. data plane
- b. control plane
- c. forwarding information base
- d. adjacency table

Question **16**

Complete

Mark 0.00 out of 1.00

The IoT refers to the network of billions of physical objects accessible through the Internet as we continue to connect the unconnected.

Select one:

- True
- False

Question **17**

Complete

Mark 1.00 out of 1.00

After gathering symptoms, if the troubleshooter determines that the problem is located outside the control of the organization, what is the next step?

Select one:

- a. Narrow the scope of the problem.
- b. Question the end users.
- c. Gather symptoms from suspected devices.
- d. Analyze existing symptoms.
- e. Contact the administrator of the external system.

Question **18**

Complete

Mark 0.00 out of 1.00

SDN is a network architecture that has been developed to virtualize the network.

Select one:

- True
- False

Question **19**

Complete

Mark 1.00 out of 1.00

A network administrator issues the telnet www.cisco.com 25 command on the workstation. What is the purpose of this command?

Select one:

- a. to identify the path of network traffic toward the web server
- b. to establish a management session to the web server
- c. to probe the server that provides the web service to determine if it is also running an email service
- d. to verify that the website is operational

Question **20**

Complete

Mark 1.00 out of 1.00

One of the new challenges associated with the rapid growth of the IoT is integrating new things into existing networks.

Select one:

- True
- False

Question **21**

Complete

Mark 1.00 out of 1.00

When is the most appropriate time to measure network operations to establish a network performance baseline?

Select one:

- a. during quiet vacation periods, so that the level of non-data traffic can be determined
- b. whenever high network use is detected, so that how the network performs under stress can be monitored
- c. at the same time each day across a set period of average working days, so that typical traffic patterns can be established

9. A network engineer is investigating an access issue to a web server. The web server can access the Internet and the local clients can open the web pages. However, outside clients cannot access the web pages. What is the most likely cause of the problem?

- d. at random times during a 10 week period, so that abnormal traffic levels can be detected

Question **22**

Complete

Mark 1.00 out of 1.00

data plane

Also called the forwarding plane, this plane is typically the switch fabric connecting the various network ports on a device.

Question **23**

Complete

Mark 1.00 out of 1.00

A network engineer is investigating an access issue to a web server. The web server can access the Internet and the local clients can open the web pages. However, outside clients cannot access the web pages. What is the most likely cause of the problem?

Select one:

- a. An ACL is blocking incoming connections.
- b. There is a cable fault.
- c. The web server does not have a default gateway configured.
- d. There are excessive broadcasts in the network.



Question **24**

Complete

Mark 1.00 out of 1.00

One of the new challenges associated with the rapid growth of the IoT is improving the Internet connections from homes

Select one:

- True
- False

Question **25**

Complete

Mark 1.00 out of 1.00

Which network traffic management technology is a basic element in SDN implementations?

Select one:

- a. IEEE 802.1aq
- b. Interface to the Routing System
- c. OpenStack
- d. OpenFlow

Question **26**

Complete

Mark 1.00 out of 1.00

The show ip interface brief and show ipv6 interface brief commands are used to display the up or down status and IP address of all interfaces on a device.

Select one:

- True
- False

Question **27**

Complete

Mark 1.00 out of 1.00

An attack has been launched within a company and a host name has been identified as the source. What command can a network technician use to determine the IP address assigned to the host name?

Select one:

- a. tracert
- b. ipconfig /all
- c. net computer
- d. nslookup



Question **28**

Complete

Mark 1.00 out of 1.00

Network topology

diagrams keep track of the location, function, and status of devices on the network.

Question **29**

Complete

Mark 1.00 out of 1.00

control plane

This is typically regarded as the brains of a device.

Question **30**

Complete

Mark 1.00 out of 1.00

The Application Policy Infrastruct is considered to be the brains of the ACI architecture.

Question **31**

Complete

Mark 1.00 out of 1.00

What is an example of an M2M connection?

Select one:

- a. two people communicating with each other through an instant messaging application
- b. a person getting information from a database, or conducting a complex analysis
- c. a domestic refrigerator sending an email to homeowners to inform them that milk must be purchased
- d. a sensor in a garbage can signaling that it is full and delivering the data to a GPS mapping system for the sanitation truck to adjust its route for pickups

Question **32**

Complete

Mark 1.00 out of 1.00

How many "things" are predicted to be interconnected on the Internet by 2020?

Select one:

- a. 1 billion
- b. 1 million
- c. 50 billion
- d. 5 million

Question **33**

Complete

Mark 1.00 out of 1.00

Which troubleshooting tool can be used to pinpoint the distance to a break in a network cable?

Select one:

- a. digital multimeter
- b. cable tester
- c. network analysis module
- d. network analyzer

Question **34**

Complete

Mark 1.00 out of 1.00

A topology illustrates how devices are logically connected to the network, meaning how devices actually transfer data across the network when communicating with other devices.

Question **35**

Complete

Mark 0.00 out of 1.00

A network architecture that virtualizes the network.

Question **36**

Complete

Mark 1.00 out of 1.00

Today, over ___% of things in the physical world are still not connected to the Internet. Select the answer that will complete the statement.

Select one:

- a. 75
- b. 85
- c. 90
- d. 99

Question **37**

Complete

Mark 1.00 out of 1.00

Which feature sends simulated data across the network and measures performance between multiple network locations?

Select one:

- a. syslog
- b. SPAN
- c. LLDP
- d. IP SLA

Question **38**

Complete

Mark 0.00 out of 1.00

A topology shows the physical layout of the devices connected to the network.

Question **39**

Complete

Mark 1.00 out of 1.00

Which term describes the data exchanges between virtual servers in a data center?

Select one:

- a. vertical traffic
- b. north-south traffic
- c. east-west traffic
- d. backbone traffic

Question **40**

Complete

Mark 1.00 out of 1.00

Cisco Nexus 9000 Series

These switches provide an application-aware switching fabric and work with an APIC to manage the virtual and physical network infrastructure.

Question **41**

Complete

Mark 1.00 out of 1.00

A client calls the support desk and says this to a technician: "I have just started my computer and attempted to check e-mail. The error 0x800ccc0d was displayed. However, I was able to connect to network drives and access the Internet." Which statement would describe the status of this issue?

Select one:

- a. The client needs to plug into a different port on the switch and try the steps again before contacting the helpdesk.
- b. The helpdesk has enough information to begin finding a resolution.
- c. More detail is required before a complete problem description can be completed.
- d. The client needs to reboot the PC and report back to the helpdesk.
- e. The client needs to switch cables before the helpdesk can begin to resolve the issue.

Question **42**

Complete

Mark 1.00 out of 1.00

One of the new challenges associated with the rapid growth of the IoT is increasing the CPU power of computers

Select one:

- True
- False

Question **43**

Complete

Mark 1.00 out of 1.00

For a data center, what is the difference in the server virtualization data traffic compared with the traditional client-server model?

Select one:

- a. There are significant data exchanges between virtual servers.
- b. More network control traffic is generated between virtual servers and clients.
- c. There is more data traffic flowing from virtual servers to clients.
- d. Data traffic from clients will be routed to multiple virtual servers.

Question **44**

Complete

Mark 1.00 out of 1.00

Cloud computing and virtualization are different terms that refer to the same thing.

Select one:

- True
- False

Question **45**

Complete

Mark 1.00 out of 1.00

One of the new challenges associated with the rapid growth of the IoT is integrating many devices from different vendors with custom applications.

Select one:

- True
- False

Question **46**

Complete

Mark 1.00 out of 1.00

This type of SDN uses a centralized controller that has knowledge of all devices in the network.

Question **47**

Complete

Mark 1.00 out of 1.00

An is a collection of end-point groups (EPG), their connections, and the policies that define those connections.

Question **48**

Complete

Mark 1.00 out of 1.00

A network engineer is troubleshooting a network that has recently been updated with a new routing protocol, but the network is not working as expected. The engineer is comparing the running configuration from before and after the change was made. Which approach to troubleshooting the problem is the engineer using?

Select one:

- a. comparing IP settings on network devices
- b. divide-and-conquer
- c. top-down
- d. bottom-up

Question **49**

Complete

Mark 1.00 out of 1.00

The show ip route and show ipv6 route commands are used to display the routing table in a router to learn the directly connected neighbors, more remote devices (through learned routes), and the routing protocols that have been configured.

Select one:

- True
- False

Question **50**

Complete

Mark 0.00 out of 1.00

Hyperconverged Infrastructu A purpose-built hardware solution for integrating cloud computing and data center management.

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