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NORTH AMERICAN UNIVERSITY
INSPIRATION INNOVATION GLOBAL COMPETENCE

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Grade	**100.00** out of 100.00

Question 1

Correct Mark 2.00 out of 2.00

When using SIP, what term is used to describe end-user devices, which may include workstations, tablet computers, smartphones, or IP phones?

Select one:

- a. user agent
- b. user agent node
- c. user agent proxy
- d. user agent client ✓ Correct

The correct answer is: user agent client

Question 2

Correct Mark 2.00 out of 2.00

What xDSL standard is the most popular?

Select one:

- a. VDSL
- b. HDSL
- c. ADSL ✓ Correct
- d. G.Lite

The correct answer is: ADSL

Question 3

Correct Mark 2.00 out of 2.00

In a PON setup, the system is considered passive because no repeaters or other devices intervene between the carrier and the customer.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 4

Correct Mark 2.00 out of 2.00

TCP is preferred over UDP for real time services.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 5

Correct Mark 2.00 out of 2.00

An enterprise-wide VPN can include elements of both the client-to-site and site-to-site models.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 6

Correct Mark 2.00 out of 2.00

The PPP headers and trailers used to create a PPP frame that encapsulates Network layer packets vary between 8 and 10 bytes in size due to what field?

Select one:

- a. priority
- b. FCS ✓ Correct
- c. FEC
- d. encryption

The correct answer is: FCS

Question 7

Correct Mark 2.00 out of 2.00

The simplest type of firewall is a content filtering firewall.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 8

Correct Mark 2.00 out of 2.00

Which option below is an advantage of leasing a frame relay circuit over leasing a dedicated circuit?

Select one:

- a. The paths that your data will take are always known.
- b. You pay only for the bandwidth you've used. ✓ Correct
- c. You are guaranteed to receive the maximum amount of bandwidth specified in the circuit contract
- d. Frame relay is a newly established network technology with more features than other technology.

The correct answer is: You pay only for the bandwidth you've used.

Question 9

Correct Mark 2.00 out of 2.00

If a destructive program is running that might be destroying evidence, what should be done?

Select one:

- a. Pull the power cable ✓ Correct
- b. Attempt to end the process
- c. Record the destruction using a video capture of the screen
- d. Perform an immediate full backup

The correct answer is: Pull the power cable

Question 10

Correct Mark 2.00 out of 2.00

What mode setting on a firewall makes the firewall transparent to surrounding nodes as if it's just part of the wire?

Select one:

- a. pass-thru mode
- b. virtual access mode
- c. transparent wire mode
- d. virtual wire mode ✓ Correct

The correct answer is: virtual wire mode

Question 11

Correct Mark 2.00 out of 2.00

The Shortest Path Bridging protocol is defined in what IEEE standard?

Select one:

- a. 802.1aq ✓ Correct
- b. 802.1d
- c. 802.1s
- d. 802.1Q

The correct answer is: 802.1aq

Question 12

Correct Mark 2.00 out of 2.00

Packets that are smaller than a medium's minimum packet size are known by what term below?

Select one:

- a. ghosts
- b. runts ✓ Correct
- c. giants
- d. jabbers

The correct answer is: runts

Question 13

Correct Mark 2.00 out of 2.00

Which team role is the person on call who first notices or is alerted to a problem?

Select one:

- a. technical support specialist
- b. manager
- c. dispatcher ✓ Correct
- d. public relations specialist

The correct answer is: dispatcher

Question 14

Correct Mark 2.00 out of 2.00

What security principle provides proof of delivery and proof of the sender's identity?

Select one:

- a. non-repudiation ✓ Correct
- b. integrity
- c. availability
- d. utility

The correct answer is: non-repudiation

Question 15

Correct Mark 2.00 out of 2.00

What protocol is used to provide a common language between virtualized service applications and a network's physical devices?

Select one:

- a. OpenArch
- b. OpenFlow ✓ Correct
- c. VRRP
- d. CommonStack

The correct answer is: OpenFlow

Question 16

Correct Mark 2.00 out of 2.00

Windows, UNIX, Linux, and Mac OS clients are all capable of connecting to a VPN using PPTP.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 17

Correct Mark 2.00 out of 2.00

If the line between the carrier and the customer experiences significant errors on a T-1, a smart jack ✓ will report this fact to the carrier.

The correct answer is: smart jack

Question 18

Correct Mark 2.00 out of 2.00

What two items make up a Bridge ID?

Select one or more:

- [x] a. 2 byte priority field
- [ ] b. relevant port number
- [ ] c. software version
- [x] d. MAC address

The correct answer is: 2 byte priority field, MAC address

Question 19

Correct Mark 2.00 out of 2.00

Botnets often make use of what chat protocol in order to receive commands?

Select one:

- ( ) a. XMPP
- (•) b. IRC Correct
- ( ) c. AIM
- ( ) d. Skype

The correct answer is: IRC

Question 20

Correct Mark 2.00 out of 2.00

STP selects the root bridge based on which parameter?

Select one:

- a. port number
- b. software revision code
- c. bridge ID (BID) ✓ Correct
- d. bridge version number (BVN)

The correct answer is: bridge ID (BID)

Question 21

Correct Mark 2.00 out of 2.00

What component of SIP is a server that responds to user agent clients' requests for session initiation and termination?

Select one:

- a. proxy server
- b. user agent server ✓ Correct
- c. redirect server
- d. registrar server

The correct answer is: user agent server

Question 22

Correct Mark 2.00 out of 2.00

In computer forensics, hidden data such as deleted files and file fragments are known as what term?

Select one:

- a. tombstone data
- b. low level data
- c. ambient data ✓ Correct
- d. transient data

The correct answer is: ambient data

Question 23

Correct Mark 2.00 out of 2.00

What two network protocols below rely on virtual circuits?

Select one or more:

- a. SDH
- b. SONET
- c. ATM ✓
- d. frame relay ✓

The correct answer is: ATM, frame relay

Question 24

Correct Mark 2.00 out of 2.00

A network with the subnet mask 255.255.255.0 would have what CIDR block?

Select one:

- a. /32
- b. /20
- c. /28
- d. /24 ✓ Correct

The correct answer is: /24

Question 25

Correct Mark 2.00 out of 2.00

In what type of topology is each site connected to two other sites, providing redundancy?

Select one:

- a. bus topology
- b. circle topology
- c. star topology
- d. ring topology ✓ Correct

The correct answer is: ring topology

Question 26

Correct Mark 2.00 out of 2.00

What kind of attack involves a flood of broadcast ping messages, with the originating source address being spoofed to appear as a host on the network?

Select one:

- a. amplification attack
- b. smurf attack ✓ Correct
- c. SYN attack
- d. zombie attack

The correct answer is: smurf attack

Question 27

Correct Mark 2.00 out of 2.00

What is the maximum throughput of a DS3 connection?

Select one:

- a. 1.544
- b. 44.736 ✓ Correct
- c. 274.176
- d. 3.152

The correct answer is: 44.736

Question 28

Correct Mark 2.00 out of 2.00

At what type of recovery site would computers, devices, and connectivity necessary to rebuilt a network exist, and all are appropriately configured, updated, and connected to match your network's current state?

Select one:

- a. warm site
- b. hot site ✓ Correct
- c. temp site
- d. cold site

The correct answer is: hot site

Question 29

Correct Mark 2.00 out of 2.00

At what layer of the OSI model does the IPsec encryption protocol operate?

Select one:

- a. Physical layer
- b. Transport layer
- c. Network layer ✓ Correct
- d. Application layer

The correct answer is: Network layer

Question 30

Correct Mark 2.00 out of 2.00

The first step of a response policy should be to secure the area.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 31

Correct Mark 2.00 out of 2.00

Cipher locks are not designed for physical security, such as on an outside door.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 32

Correct Mark 2.00 out of 2.00

The combination of a public key and a private key are known by what term below?

Select one:

- a. key pair ✓ Correct
- b. key set
- c. key tie
- d. key team

The correct answer is: key pair

Question 33

Correct Mark 2.00 out of 2.00

An active card, which contains an internal battery, can provide a usable range of up to what distance?

Select one:

- a. 250 m
- b. 150 m ✓ Correct
- c. 200 m
- d. 100 m

The correct answer is: 150 m

Question 34

Correct Mark 2.00 out of 2.00

Any device in an ICS that is motorized and can control the physical system is called a fieldbus.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 35

Correct Mark 2.00 out of 2.00

What two types of agents are used to check compliance with network security policies?

Select one or more:

- a. temporary agent
- b. permanent agent
- c. dissolvable agent ✓
- d. persistent agent ✓

The correct answer is: dissolvable agent, persistent agent

Question 36

Correct Mark 2.00 out of 2.00

Amazon and Rackspace both utilize what virtualization software below to create their cloud environments?

Select one:

- a. Citrix Xen ✓ Correct
- b. VMware vSphere
- c. Parallels
- d. Oracle VirtualBox

The correct answer is: Citrix Xen

Question 37

Correct Mark 2.00 out of 2.00

When using public and private keys to connect to an SSH server, where must your public key be placed before you can connect?

Select one:

- a. In an authorization file on the host where the SSH server is. ✓ Correct
- b. In the /etc/ssh/keys folder.
- c. In the /var/run/ssh/public folder.
- d. In an authorization file under your home directory on your computer.

The correct answer is: In an authorization file on the host where the SSH server is.

Question 38

Correct Mark 2.00 out of 2.00

A rollback is also known by what two terms below?

Select one or more:

- [x] a. downgrading ✓
- [ ] b. downleveling
- [ ] c. backstepping
- [x] d. backleveling ✓

The correct answer is: backleveling, downgrading

Question 39

Correct Mark 2.00 out of 2.00

With VTP, the VLAN database is stored on a switch known as which option below?

Select one:

- a. trunk root
- b. stack master ✓ Correct
- c. root bridge
- d. vlan server

The correct answer is: stack master

Question 40

Correct Mark 2.00 out of 2.00

Match each correct item with the statement below.

A standard that assigns a virtual IP address to a group of routers.

At first, messages routed to the virtual IP address are handled by the master router. If the master router fails, backup routers stand in line to take over responsibility for the virtual IP address.

VRRP (Virtual Router Redundancy Protocol) ✓

The interface on a switch capable of managing traffic from multiple VLANs.

trunk port ✓

Cisco's proprietary standard, similar to VRRP, that assigns a virtual IP address to a group of routers. At first, messages routed to the virtual IP address are handled by the active router. If the active router fails, standby routers stand in line to take over responsibility for the virtual IP address.

HSRP (Hot Standby Routing Protocol) ✓

In CIDR notation, the forward slash plus the number of bits used for the network ID.

CIDR block ✓

The interface on a switch used for an end node. Devices connected to access ports are unaware of VLAN information.

access port ✓

An attack in which the attacker generates transmissions that appear, to the switch, to belong to a protected VLAN.

VLAN hopping attack ✓

A server that exists as a virtual

machine, created and managed by virtualization software on a host, or physical, computer. — virtual server ✓

A software configuration that can be used to disable STP on specific ports, such as the port leading to the network's demarc. It prevents access to network links that should not be considered when plotting STP paths in a network. — BPDU filter ✓

The virtualization of network services in which a network controller manages these services instead of the services being directly managed by the hardware devices involved. — software defined networking (SDN) ✓

An untagged VLAN on a switch that will automatically receive all untagged frames. — native VLAN ✓

The correct answer is:

A standard that assigns a virtual IP address to a group of routers. At first, messages routed to the virtual IP address are handled by the master router. If the master router fails, backup routers stand in line to take over responsibility for the virtual IP address.

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The interface on a switch capable of managing traffic from multiple VLANs.

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An attack in which the attacker generates transmissions that appear, to the switch, to belong to a protected VLAN.

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– BPDU filter,

The virtualization of network services in which a network controller manages these services instead of the services being directly managed by the hardware devices involved.

– software defined networking (SDN),

An untagged VLAN on a switch that will automatically receive all untagged frames.

– native VLAN

Question 41

Correct Mark 2.00 out of 2.00

The key management phase of IPSec is reliant on which two services below?

Select one or more:

- [x] a. Internet Key Exchange (IKE)
- [ ] b. Authentication Header (AH)
- [x] c. Internet Security Association and Key Management Protocol (ISAKMP)
- [ ] d. Encapsulating Security Payload (ESP)

The correct answer is: Internet Key Exchange (IKE), Internet Security Association and Key Management Protocol (ISAKMP)

Question 42

Correct Mark 2.00 out of 2.00

In ATM, a packet is called a cell and always consists of 48 bytes of data plus a 5 byte header.

The correct answer is: cell

Question 43

Correct Mark 2.00 out of 2.00

Which network type allows a vNIC to access a network directly using the host machine's NIC?

Select one:

- a. bridged mode ✓ Correct
- b. host only mode
- c. NAT mode
- d. direct mode

The correct answer is: bridged mode

Question 44

Correct Mark 2.00 out of 2.00

When using DiffServ, what type of forwarding utilizes a minimum departure rate from a given node, which is then assigned to each data stream?

Select one:

- a. assured forwarding
- b. scaled forwarding
- c. prioritized forwarding
- d. expedited forwarding ✓ Correct

The correct answer is: expedited forwarding

Question 45

Correct Mark 2.00 out of 2.00

Which virus below combines polymorphism and stealth techniques to create a very destructive virus?

Select one:

- a. Natas ✓ Correct
- b. Michelangelo
- c. Macro
- d. Stoned

The correct answer is: Natas

Question 46

Correct Mark 2.00 out of 2.00

What protocol is commonly used to aggregate / bond T-1 / T-3 lines?

Select one:

- a. MLPPP ✓ Correct
- b. STP
- c. PPTP
- d. MPLS

The correct answer is: MLPPP

Question 47

Correct Mark 2.00 out of 2.00

The SNMP version 3 protocol introduces authentication, validation, and encryption for messages exchanged between devices and the network management console.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 48

Correct Mark 2.00 out of 2.00

eDiscovery and computer forensics reveal what two different types of data?

Select one or more:

- a. active data ✓
- b. ambient data ✓
- c. transient data
- d. encrypted data

The correct answer is: active data, ambient data

Question 49

Correct Mark 2.00 out of 2.00

When a device handles electrical signals improperly, usually resulting from a bad NIC, it is referred to by what term below?

Select one:

- a. ghost
- b. jabber ✓ Correct
- c. talker
- d. blabber

The correct answer is: jabber

Question 50

Correct Mark 2.00 out of 2.00

A SecurID key chain fob from RSA security generates a password that changes how often?

Select one:

- a. every 30 seconds
- b. every 70 seconds
- c. every 20 seconds
- d. every 60 seconds ✓ Correct

The correct answer is: every 60 seconds