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Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

The two major classifications of fiber optic cable are

Select one:

- ○ a. Colored and monochrome
- ○ b. Plastic and glass
- ◉ c. Single and multimode✔
- ○ d. Flexible and inflexible

The correct answer is: Single and multimode

Question **2**

Correct

Mark 1.00 out of 1.00

The device in a star topology that enables multiple device connections is called a(n)

Select one:

- ○ a. Workstation
- ○ b. Router
- ◉ c. Switch✔
- ○ d. Ring

The correct answer is: Switch

Question 3
Correct

Mark 1.00 out of 1.00

What network technician trait is used in the following situation: The network technician asks the faculty member what hardware upgrades she may need for her labs in the upcoming year?

Select one:

- a. Proactive ✔
- b. Mentoring
- c. Responsiveness
- d. Dedication
- e. Positive attitude

The correct answer is: Proactive

Question 4
Correct

Mark 1.00 out of 1.00

What command would be used to determine the IP address assigned to a computer?

Select one:

- a. ping 127.0.0.1
- b. ipconfig ✔
- c. tracert
- d. nslookup

The correct answer is: ipconfig

Question 5
Correct

Mark 1.00 out of 1.00

Which statement best describes an SSID?

Select one:

- a. The frequency used to transmit data wirelessly between client and access point
- b. Uniquely identifies a wireless network ✔
- c. Encrypts data sent between the access point and wireless client
- d. Identifies whether someone is authorized to access the wireless network

The correct answer is: Uniquely identifies a wireless network

Question 6
Correct
Mark 1.00 out of 1.00

Three types of network media are

Select one:
- ○ a. Fiber optic, twisted-pair, coaxial ✔
- ○ b. NBC, ABC, CBS
- ○ c. Radio, television, telephone
- ○ d. Ring, bus, star

The correct answer is: Fiber optic, twisted-pair, coaxial

Question 7
Correct
Mark 1.00 out of 1.00

What are the benefits of a server-based network?

Select one:
- ○ a. Greater centralized control over what a user can access
- ○ b. All these answers are true. ✔
- ○ c. Greater security than with a peer-to-peer network
- ○ d. Individual access to assigned resources from any workstation

The correct answer is: All these answers are true.

Question 8
Correct
Mark 1.00 out of 1.00

How many layers are defined in the OSI model?

Select one:
- ○ a. 5
- ○ b. 7 ✔
- ○ c. 1
- ○ d. 9

The correct answer is: 7

Question 9
Correct
Mark 1.00 out of 1.00

UTP, STP, and coax are associated with

Select one:

○ a. Wireless networking

○ b. Radio frequency

⦿ c. Cable✔

○ d. Light transmission media

The correct answer is: Cable

Question 10
Correct
Mark 1.00 out of 1.00

How many wires are contained in an RJ-45 jack?

Select one:

○ a. Two

○ b. Four

○ c. Six

⦿ d. Eight✔

The correct answer is: Eight

Question 11
Correct
Mark 1.00 out of 1.00

The bottom layer of the OSI model is

Select one:

○ a. Data link

○ b. Network

⦿ c. Physical✔

○ d. Transport

The correct answer is: Physical

Question 12

Correct

Mark 1.00 out of 1.00

What type of fiber optic cable enables only one light signal to be sent along the cable?

Select one:

○ a.   Single-mode✔

○ b.   Single line

○ c.   Mono-filament

○ d.   Multimode

The correct answer is: Single-mode

Question 13

Correct

Mark 1.00 out of 1.00

OSI is an acronym for

Select one:

○ a.   Operating System Interface

○ b.   Output System Input

○ c.   Ongoing Standard Integrity

○ d.   Open System Interconnect✔

The correct answer is: Open System Interconnect

Question 14

Correct

Mark 1.00 out of 1.00

LAN is an abbreviation for

Select one:

○ a.   Low Access Netting

○ b.   Link And Network

○ c.   Local Administrative Netting

○ d.   Local Area Network✔

The correct answer is: Local Area Network

Question 15
Correct

Mark 1.00 out of 1.00

What network term is used to describe how much data a communications channel can carry?

Select one:

- ○ a.   Capacity
- ○ b.   Backbone
- ◉ c.   Bandwidth✔
- ○ d.   Channel ID

The correct answer is: Bandwidth

Question 16
Correct

Mark 1.00 out of 1.00

Each network interface card has a unique 48 bit number burned into ROM called a(n):

Select one:

- ◉ a.   MAC address✔
- ○ b.   IP address
- ○ c.   Host address
- ○ d.   Token

The correct answer is: MAC address

Question 17
Correct

Mark 1.00 out of 1.00

Which statement is true about an omnidirectional antenna?

Select one:

- ○ a.   It would be used as an antenna between two buildings.
- ○ b.   It is a fictitious antenna used for comparison with real antennas for strength measurement.
- ◉ c.   It can pick up signals from all around it.✔
- ○ d.   It would commonly be used in a school hallway that has extended length.

The correct answer is: It can pick up signals from all around it.

Question 18

Correct

Mark 1.00 out of 1.00

The function of the router is found at which level in the OSI model?

Select one:

○ a.   Session

○ b.   Data link

◉ c.   Network✔

○ d.   Transport

The correct answer is: Network

Question 19

Correct

Mark 1.00 out of 1.00

STP is an acronym for

Select one:

○ a.   Satellite Telecommunication Protocol

○ b.   Standard Technology Protocol

◉ c.   Shielded Twisted Pair✔

○ d.   Start Terminate Procedure

The correct answer is: Shielded Twisted Pair

Question 20

Correct

Mark 1.00 out of 1.00

Sun Solaris, Red Hat Enterprise Linux, and Microsoft Server 2012 are examples of

Select one:

○ a.   Peer-to-peer software

○ b.   Word processing software

◉ c.   Network operating systems✔

○ d.   Application software

The correct answer is: Network operating systems

Two or more computers that share files, printers, and other computer resources is called a(n)

Select one:

- ○ a. Organization
- ⦿ b. Network✔
- ○ c. System
- ○ d. Group

The correct answer is: Network

Before installing a wireless network, you should prepare by performing what task?

Select one:

- ⦿ a. Site survey✔
- ○ b. Calibrate the antenna
- ○ c. Response test by the wireless clients
- ○ d. Authentication test on the access point

The correct answer is: Site survey

What type of server translates domain names to IP addresses?

Select one:

- ○ a. DHCP
- ○ b. FTP
- ○ c. Web
- ⦿ d. DNS✔

The correct answer is: DNS

Question 24

Correct

Mark 1.00 out of 1.00

A technology that can transmit data over a traditional voice line is

Select one:

○ a. Cable modem

◉ b. DSL✔

○ c. ATM

○ d. Frame relay

The correct answer is: DSL

Question 25

Correct

Mark 1.00 out of 1.00

The top layer of the OSI model is

Select one:

◉ a. Application✔

○ b. Session

○ c. Presentation

○ d. Transport

The correct answer is: Application

Question 26

Correct

Mark 1.00 out of 1.00

What are **three** ways for a host device to receive an IP address?

Select one or more:

☑ a. From a DHCP server✔

☑ b. Statically assign one✔

☑ c. APIPA✔

☐ d. From a DNS server

☐ e. Assigned by a IPCONFIG server

The correct answers are: APIPA, Statically assign one, From a DHCP server

Question 27
Correct

Mark 1.00 out of 1.00

What command would be used to check connectivity across a network?

Select one:

- a. nslookup
- b. ping 127.0.0.1
- c. tracert ✔
- d. ipconfig

The correct answer is: tracert

Question 28
Correct

Mark 1.00 out of 1.00

Connectors, cables, and voltage levels are defined at which level in the OSI model?

Select one:

- a. Transport
- b. Data link
- c. Physical ✔
- d. Network

The correct answer is: Physical

Question 29
Correct

Mark 1.00 out of 1.00

What type of fiber optic cable enables multiple light signals to be sent along the same cable?

Select one:

- a. Crystal
- b. None of these answers are true. ✔
- c. Plastic
- d. Glass

The correct answer is: None of these answers are true.

Which safety tip is appropriate for network cabling?

Select one:

○ a. Ensure the newly installed network cabling does not run near fluorescent lights.

○ b. Ensure the newly installed network cabling is not installed on vertical ladder racks.

◉ c. Ensure the newly installed network cabling is not a trip hazard. ✔

○ d. Ensure the newly installed network cabling is not installed in a ceiling conduit.

The correct answer is: Ensure the newly installed network cabling is not a trip hazard.

Which one of the following statements is true about fiber optic cable?

Select one:

○ a. It is used to connect individual workstations to each other.

○ b. It is used for wireless transmissions.

○ c. It offers the lowest security compared to other networking media.

◉ d. It is the most expensive cable type. ✔

The correct answer is: It is the most expensive cable type.

WAN is an abbreviation for

Select one:

◉ a. Wide Area Network ✔

○ b. World Area Network

○ c. World Accessed Network

○ d. Web Accessed Network

The correct answer is: Wide Area Network

Question **33**

Correct

Mark 1.00 out of 1.00

Three examples of network topology are

Select one:

○ a. Star, ring, bus ✔

○ b. Peer, hub, server

○ c. Global, urban, rural

○ d. Geographic, topographic, demographic

The correct answer is: Star, ring, bus

Question **34**

Correct

Mark 1.00 out of 1.00

What is a QR code?

Select one:

○ a. A Quality Reporting app

○ b. A pattern or code to gain entry to the device

○ c. A security feature on mobile storage

○ d. A link to more information or deliver an app to another device ✔

The correct answer is: A link to more information or deliver an app to another device

Question **35**

Correct

Mark 1.00 out of 1.00

The protocol suite used for Internet connectivity is

Select one:

○ a. IPX/SPX

○ b. TCP/IP ✔

○ c. All these protocol suites are used.

○ d. NetBEUI

The correct answer is: TCP/IP