

BICSI

Exam Questions RCDD

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NEW QUESTION 1

- (Topic 1)

You must place a cable between 2 equipment locations with separate grounds having a potential difference between them of 2.1 V rms. Which one of the following cables should NOT be used?

- A. Multimode
- B. Singlemode
- C. UTP
- D. STP

Answer: D

NEW QUESTION 2

- (Topic 1)

Optical transmitters are typically one of the following types EXCEPT:

- A. Light-emitting diode (LED)
- B. Short wavelength laser compact disc (CD)
- C. Vertical cavity surface emitting laser (VCEL)
- D. Laser diode (LD)
- E. Overfilled launch (OFL)

Answer: E

NEW QUESTION 3

- (Topic 1)

Which of the following correctly lists the lowest frequency band to the highest frequency band?

- A. MF, HF, VHF, UHF
- B. UHF, VHF, HF, MF
- C. HF, MF, UHF, VHF
- D. VHF, UHF, MF, HF
- E. HF, MF, UHF, VHF

Answer: A

NEW QUESTION 4

- (Topic 1)

Which characteristic is an advantage of copper based media over optical fiber cable?

- A. Weight
- B. Corrosion resistance
- C. Ability to handle analog signals
- D. Susceptibility to EMI
- E. Very high data rates

Answer: C

NEW QUESTION 5

- (Topic 1)

The public telephone system is an example of a _____ system.

- A. Simplex
- B. Half-duplex
- C. Full-duplex
- D. Purely analog
- E. Purely digital

Answer: C

NEW QUESTION 6

- (Topic 1)

Two sinusoidal signals have the same amplitude (A) and the same frequency (f). They differ in phase by 180 degrees. If these two signals are added together, the result is a sinusoidal signal having an amplitude of:

- A. Zero
- B. $0.707A$ and a frequency of f
- C. A and a frequency of 2f
- D. 2A and a frequency of f
- E. 2A and a frequency of 2f

Answer: A

NEW QUESTION 7

- (Topic 1)

A reasonable approximation for the signal speed in 100 ohm balanced twisted pair cable is _____ , where c is the velocity of light in free space.

- A. 0.2 c
- B. 0.4 c
- C. 0.6 c
- D. 08 c
- E. 0.9 c

Answer: C

NEW QUESTION 8

- (Topic 2)

A common mode (CM) signal can be converted to a differential mode (DM) signal as a result of a(n):

- A. Unbalanced circuit
- B. Grounded circuit
- C. Poorly timed signal
- D. Improper dielectric material

Answer: A

NEW QUESTION 9

- (Topic 2)

What is the recommended MINIMUM separation of unshielded twisted-pair (UTP) cables from fluorescent light fixtures?

- A. 77 mm (3 in)
- B. 30 mm (5.12 in)
- C. 203 mm (8 in)
- D. 324 mm (12.75 in)
- E. 483 mm (19 in)

Answer: B

NEW QUESTION 10

- (Topic 3)

You are extending 1000 MHz video service from your existing headend to a new equipment room (ER). Your existing incoming video signal is plus (+) 15 dBmV. You have three two- way splitters with a total of minus (-) 15 dB. You are adding 122 m (400 ft) of series 11 (RG 11) cable with a minus (-) 18 dB with eight single end F-connectors with a total of minus (-) 1.2 dB. From the selections below, what is the MINIMUM gain amplifier required in the headend room?

- A. Plus (+) 15 dB
- B. Plus (+) 20 dB
- C. Plus (+) 25 dB
- D. Plus (+) 30 dB
- E. Plus (+) 35 dB

Answer: A

NEW QUESTION 10

- (Topic 3)

What type of fiber optic cable is manufactured to protect individual glass strands and is primarily designed for use inside buildings?

- A. Ribbon
- B. Tight buffered
- C. Loose tube
- D. Air blown

Answer: B

NEW QUESTION 13

- (Topic 4)

The MINIMUM separation distance between grounded metal telecommunications pathway and unshielded power lines is:

- A. 75 mm (3 in)
- B. 150 mm (6 in)
- C. 300 mm (12 in)
- D. 610 mm (24 in)
- E. 1220 mm (48 in)

Answer: C

NEW QUESTION 15

- (Topic 4)

On a project with three small conference rooms, a break room, and twelve private offices, what is the MINIMUM number of telecommunications outlet boxes required?

- A. 16

- B. 24
- C. 28
- D. 40
- E. 46

Answer: A

NEW QUESTION 16

- (Topic 4)

Which of the following is NOT an example of a perimeter pathway?

- A. Furniture pathways
- B. Surface raceways
- C. Multi channel raceways
- D. Under carpet cabling
- E. Raceways integrated within walls

Answer: A

NEW QUESTION 20

- (Topic 4)

A furniture cluster with 26 requires a MINIMUM of how many multiuser telecommunications outlet assembly (MUTOA)?

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

Answer: C

NEW QUESTION 21

- (Topic 5)

You are designing a horizontal pathway system where you will provide 100 mm (4 in) conduit and pull boxes. The building architectural elements will only allow for a single layer of conduits (not stacked). The main horizontal pathway system consists of five 100 mm (4 in) conduits. Large single sheath copper cables are not expected to be placed. Which of the following is the MINIMUM width pull box that is to be provided?

- A. 600 mm (24 in)
- B. 900 mm (36 in)
- C. 1220 mm (48 in)
- D. 1520 mm (60 in)
- E. 1830 mm (72 in)

Answer: C

NEW QUESTION 25

- (Topic 5)

Cables are installed in a ceiling in a straight line. The ceiling run is 60 m (200 ft) in length. What is the MINIMUM number of J-hooks required to support the cables?

- A. 20
- B. 30
- C. 40
- D. 50
- E. 60

Answer: C

NEW QUESTION 29

- (Topic 5)

Which of the following is true when describing slip sleeves or gutters?

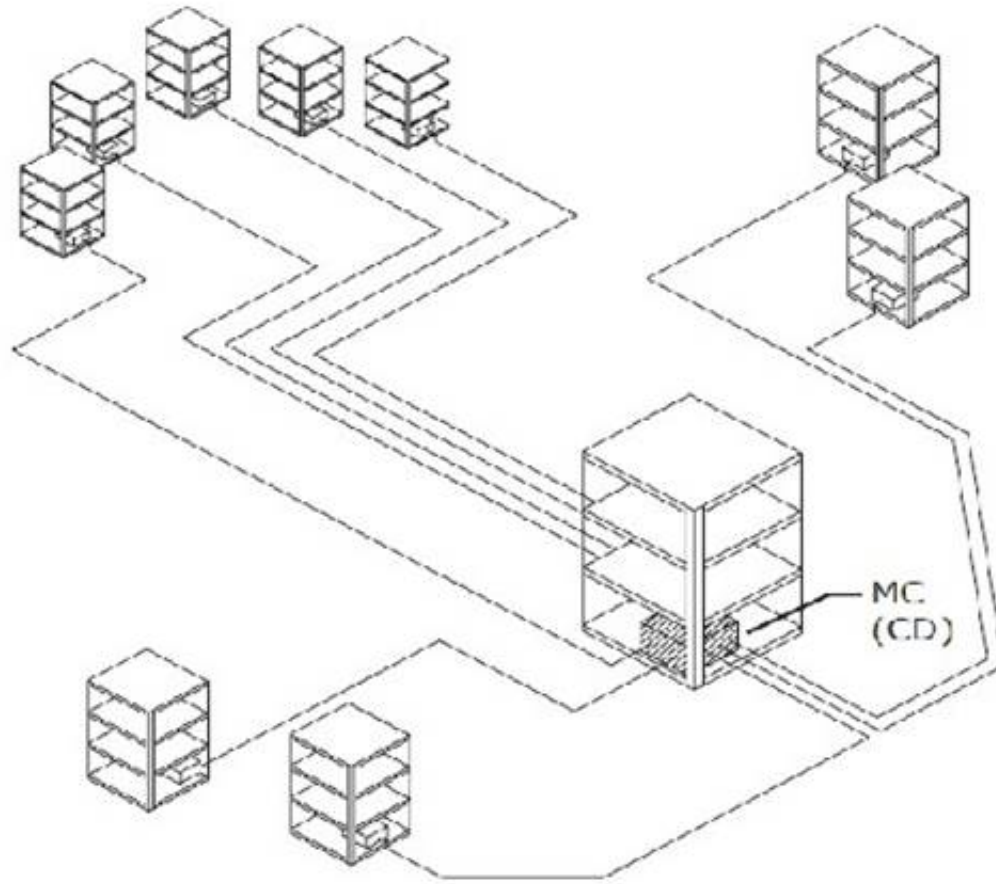
- A. More costly than pull boxes
- B. Can be used as a splice location
- C. Provides more space for pulling
- D. Cannot be used in place of a pull box
- E. Must be equal in size to the main conduit

Answer: C

NEW QUESTION 34

- (Topic 6)

Exhibit:



CD = Campus distributor
 MC = Main cross-connect

This diagram illustrates a _____ campus backbone design.

- A. Hierarchical star
- B. Ring topology
- C. Bus topology
- D. Inverted star
- E. Collapsed ring

Answer: A

NEW QUESTION 39

- (Topic 6)

In the customer's environment, an ITS designer should avoid the need for optical fiber field splicing by:

- A. Installing oversized inner duct
- B. Using oversized cable trays
- C. Using pre-connectorized cables
- D. Installing a continuous length of cable
- E. Using multiple pull boxes

Answer: D

NEW QUESTION 44

- (Topic 6)

You have been asked to design a backbone cable connecting two large campus buildings. Your pathways will include using conduits, maintenance holes, and one section of 100 m (328 ft) of direct buried optical fiber cable. Your choice of fiber optic cable type recommendation is a:

- A. Distribution cable
- B. Loose tube cable
- C. Loose tube cable containing a water blocking compound
- D. Distribution cable with an armored coating
- E. Distribution cable with a water blocking compound

Answer: C

NEW QUESTION 46

- (Topic 6)

Optical fiber all-dielectric cables have an additional advantage over ones containing a steel strength member. That advantage is:

- A. More resistant to rodent damage
- B. More difficult to damage
- C. More resistant to lightning and electrical conduction
- D. Cables are made of a tougher outer PVC jacket

Answer: C

NEW QUESTION 50

- (Topic 6)

The RECOMMENDED balanced twisted-pair cable for building backbone cabling consists of _____ round solid copper conductors with a nominal characteristic of 100 ohm.

- A. 20-24 AWG
- B. 22-26 AWG
- C. 23-24 AWG
- D. 24-22 AWG
- E. 26-20 AWG

Answer: D

NEW QUESTION 55

- (Topic 6)

When reviewing a backbone distribution system within a building provided to you for standards compliance, you see that there are several cables with bridge taps built in.

Which one of the following options is correct?

- A. Ensure all cables meet maximum lengths to ensure standards compliance
- B. Ensure all cables exceed minimum cable lengths to avoid NEXT(near-end crosstalk)
- C. Provide recommendations to remove all bridge taps
- D. Provide recommendations to remove one bridge tap per cable
- E. Do nothing as the design will pass all design parameters

Answer: C

NEW QUESTION 57

- (Topic 6)

The maximum vertical rise is the distance over which the cable is vertically self-supporting. This distance is a function of the weight of the cable and the:

- A. Sheath fire rating
- B. Number of strands of fiber in the cable
- C. Type of hangers used in the riser
- D. Type of fire stop used in the riser
- E. Cable maximum tensile rating

Answer: E

NEW QUESTION 59

- (Topic 6)

A campus backbone design linking two buildings requires that you install a high-fiber-count cable very quickly, using the conduit system provided. Cost is not so much an issue as urgency is to meet a service demand. Your first choice of fiber cable installation is to use:

- A. Multiple sheathed cables with field connectorization
- B. Multiple sheathed cables using pigtail connectorization
- C. Single high fiber count sheathed cable with field connectorization
- D. Single sheathed high-fiber-count cable with pigtail connectorization
- E. Single sheathed cable equipped with preconnectorized assemblies

Answer: E

NEW QUESTION 62

- (Topic 6)

When designing a connection to an outlying building you decide to choose a physical ring. Your primary reason for considering a physical ring is:

- A. You have easy access to an existing pathway
- B. The design is quick and easy to install
- C. The campus suits this design
- D. The design is cost effective
- E. The physical ring provides a redundant cable path for disaster recovery

Answer: E

NEW QUESTION 64

- (Topic 6)

An installation crew is pulling an optical fiber cable into a riser. The cable has an outside diameter of 25 mm (1 in). As the cable is being pulled off the reel and through a pulley into the riser, you must verify that the minimum bend radius for the cable being pulled is observed. The pulley must be sized at a MINIMUM of:

- A. 254 mm (10 in)
- B. 381 mm (15 in)
- C. 508 mm (20 in)
- D. 635 mm (25 in)
- E. 762 mm (30 in)

Answer: B

NEW QUESTION 69

- (Topic 7)

In addition to voice and data services, an equipment room (ER) can be designed to include all of the following EXCEPT:

- A. CATV and CCTV facilities
- B. Life safety facilities
- C. Building electrical service monitoring and controls
- D. Audio and paging equipment
- E. General premise monitoring and security systems

Answer: C

NEW QUESTION 73

- (Topic 7)

A building has a floor space of 16.7 m (55 ft) by 45 m (150 ft) with a common core measuring 9.17 m (30 ft) by 13.7 m (45 ft). How many individual can be provided in the usable floor space?

- A. 50
- B. 58
- C. 69
- D. 77
- E. 85

Answer: C

NEW QUESTION 77

- (Topic 7)

"A single outlet utilizing a dedicated phase, neutral, and ground conductor" is the definition for which of the following?

- A. Feeder circuit
- B. Ground fault receptacle
- C. Dedicated branch circuit
- D. "Daisy-chained" series of receptacles

Answer: C

NEW QUESTION 82

- (Topic 7)

You are starting work on a new high school. The architect has provided you with a telecommunications room located between the kitchen cold store room and the automotive and welding shops. What should you do?

- A. Work with the architect to find another location
- B. Insist that the welding shop be placed as far from the telecommunications space as possible
- C. File a complaint with the client
- D. Provide shielded cable tray in the telecommunications room and in the outer halls
- E. Request that shielding be placed around the compressors and the arc welding units

Answer: A

NEW QUESTION 85

- (Topic 8)

A fire _____ is a contained area that is completely enclosed by fire resistant walls, floors, and ceilings.

- A. Rated system
- B. Stop system
- C. Wall
- D. Zone

Answer: D

NEW QUESTION 89

- (Topic 8)

Most types of firestop putty have _____ properties.

- A. Water based
- B. Cementitious
- C. Intumescent
- D. Silicone based

Answer: C

NEW QUESTION 90

- (Topic 10)

For the telecommunications industry, the nominal operating voltage is _____ volts DC.

- A. + 24
- B. – 24
- C. + 48
- D. – 48

Answer: D

NEW QUESTION 93

- (Topic 10)

A rapid increase in voltage with a duration of half a cycle best describes a(n):

- A. Swell
- B. Overvoltage
- C. Transient
- D. Frequency variation

Answer: C

NEW QUESTION 96

- (Topic 10)

The average power consumption in a telecommunications room (TR) is 2260 watts per hour. What is the heat dissipation in BTUs?

- A. 7096 BTU
- B. 7713 BTU
- C. 8104 BTU
- D. 8511 BTU

Answer: B

NEW QUESTION 99

- (Topic 10)

Using Ohms law, a circuit of 120 volts and a resistance of 15 ohms will have a current of _____ amps.

- A. 5
- B. 8
- C. 10
- D. 12
- E. 15

Answer: B

NEW QUESTION 100

- (Topic 10)

Which of the following refers to the increase in the nominal voltage for a duration of 3600 cycles?

- A. Swell
- B. Overvoltage
- C. Transient
- D. Sag

Answer: B

NEW QUESTION 102

- (Topic 10)

You have been asked to provide a N+1 level of power redundancy in the new equipment room (ER) being designed with a Tier-II power supply. What should you do?

- A. Provide a UPS that serves all of the equipment in the facility.
- B. Provide two separate UPS units with an automatic power failure transfer to serve entire facility.
- C. Provide two separate UPS units with each one serving half the equipment in the facility.
- D. Provide two separate UPS systems with one serving the entire facility and the second on automatic power failure transfer to serve critical circuits only.

Answer: B

NEW QUESTION 105

- (Topic 10)

A large telecommunications facility, by most codes, must be designed with an EPO switch located at:

- A. The facility entrance or exit
- B. The main power panel
- C. Between the main power panel and the transformer
- D. Near each bank of equipment in the telecommunications space

Answer: A

NEW QUESTION 110

- (Topic 13)

What is the PERT estimate of time for cable placement on a given job?

- Optimistic time is 100 hours
- Most likely time is 125 hours

- Pessimistic time is 210 hours

- A. 100 hours
- B. 125 hours
- C. 135 hours
- D. 155 hours
- E. 175 hours

Answer: C

NEW QUESTION 113

- (Topic 13)

When developing a safety plan, consider all of the following EXCEPT:

- A. Safety may be excluded from scope where an information technology system (ITS) designer is responsible for the design only
- B. Areas that should be addressed by the safety plan include emergency numbers and work area protection
- C. The safety coordinator should hold a safety meeting prior to the start of the project
- D. The contractor should contact the customer safety coordinator to evaluate site specific emergency procedures

Answer: A

NEW QUESTION 115

- (Topic 13)

A work breakdown structure is:

- A. Influenced by market conditions at the time of the project execution
- B. A set of accounting codes
- C. Reflective of project organizational structure
- D. Easily standardized
- E. A replacement for a Gantt chart

Answer: A

NEW QUESTION 119

- (Topic 13)

Which area of project management covers the blending of various subteams into a project organization with a cohesive plan?

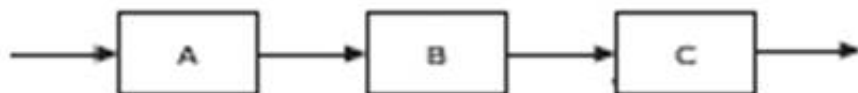
- A. Integration management
- B. Human resources management
- C. Risk management
- D. Communications management

Answer: A

NEW QUESTION 120

- (Topic 13)

Exhibit:



If a work breakdown structure (WBS) shows the tasks below, what is C, the successor task?

- A) Install OSP pathways
- B) Install fiber
- C) _____.

- A. Hold inspection
- B. Create budget
- C. Conduct safety meeting
- D. Perform site survey

Answer: A

NEW QUESTION 124

- (Topic 13)

Select the appropriate task to complete section 2.2 of the work breakdown structure (WBS) below:

- * 2 Technician
- * 2.1 Install cabling
- * 2.2 _____
- * 2.3 Activate wireless

- A. Install access point
- B. Clean work area
- C. Install pathway for cabling

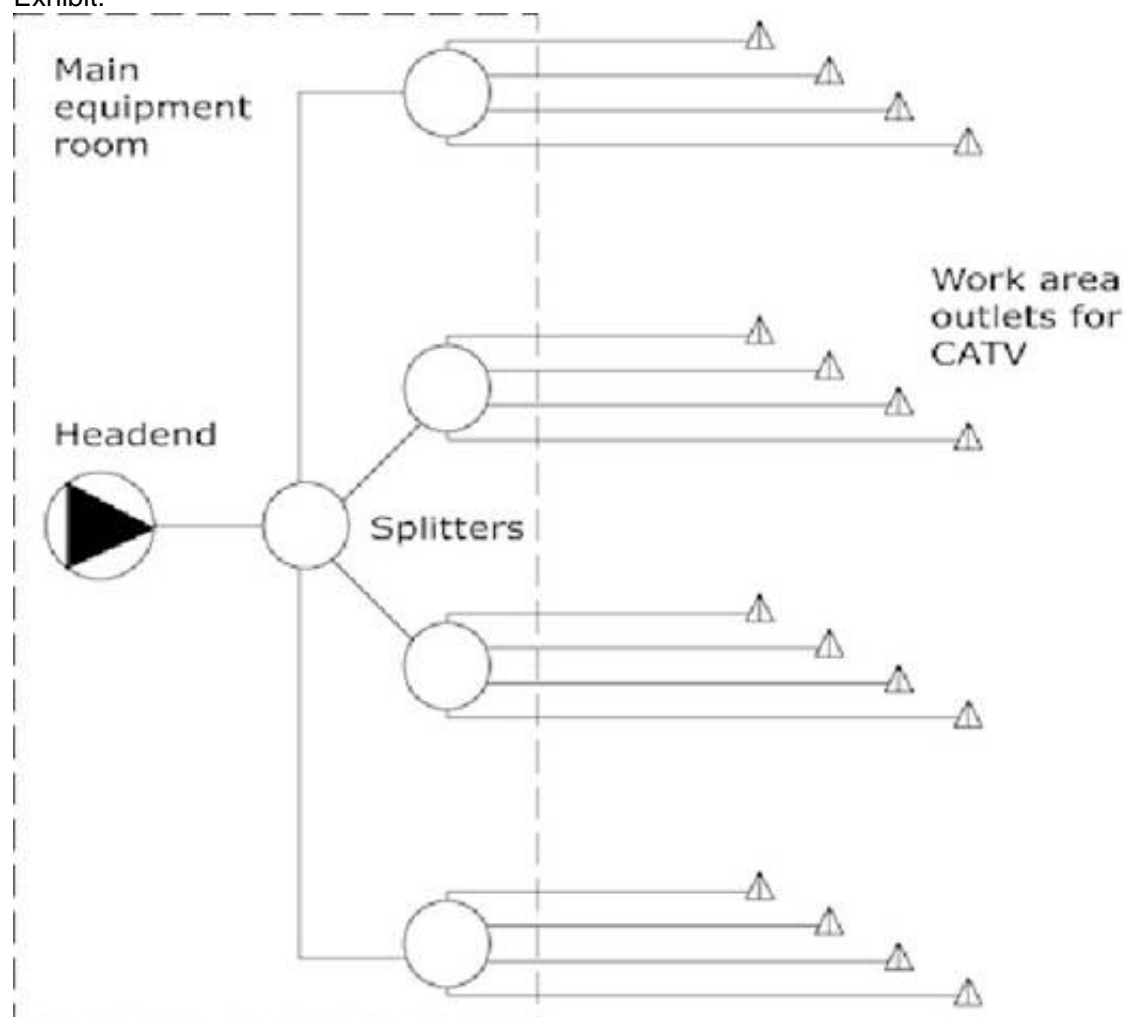
D. Confirm wireless coverage

Answer: A

NEW QUESTION 129

- (Topic 14)

Exhibit:



The following diagram represents what type of CATV distribution system?

- A. Home run
- B. Trunk and tap
- C. Video over balanced twisted-pair
- D. Video over optical fiber

Answer: A

NEW QUESTION 133

- (Topic 14)

A building has a series of CATV outlets each with cables installed back to a telecommunications room (TR), and each telecommunications room (TR) is connected to the headend. What is this type of topology called?

- A. Star
- B. Mesh
- C. Bus
- D. Series

Answer: A

NEW QUESTION 135

- (Topic 15)

You are designing a paging system for a 588 sq m (6325 sq ft) open office space. Due to architectural features of the ceiling, wall mounted speakers must be used. Following the general rule about wall mounted speaker placement, how many speakers should be installed?

- A. Eight
- B. Ten
- C. Twelve
- D. Fourteen

Answer: C

NEW QUESTION 139

- (Topic 17)

Route congestion and message priority are a few of the functions of what layer of the OSI Model?

- A. Layer 1
- B. Layer 2
- C. Layer 3
- D. Layer 4
- E. Layer 5

Answer: C

NEW QUESTION 142

- (Topic 17)

A _____ intercepts a file and stores it temporarily in queue until a peripheral device (e.g. printer) is available.

- A. Server
- B. Spooler
- C. Jump drive
- D. Printer

Answer: B

NEW QUESTION 143

- (Topic 17)

What type of address is 10.162.02.14?

- A. IP
- B. MAC
- C. Host
- D. Broadcast
- E. Unicast

Answer: A

NEW QUESTION 148

- (Topic 17)

Data representation including code translations, compressions, and encryptions is performed by what layer of the OSI model?

- A. Layer 2
- B. Layer 3
- C. Layer 4
- D. Layer 5
- E. Layer 6

Answer: E

NEW QUESTION 151

- (Topic 17)

Geographically speaking, a _____ covers an area associated with an individual's work space.

- A. SAN
- B. PAN
- C. LAN
- D. CAN
- E. WAN

Answer: B

NEW QUESTION 153

- (Topic 17)

Geographically speaking, a _____ links two or more distant sites.

- A. SAN
- B. PAN
- C. LAN
- D. CAN
- E. WAN

Answer: E

NEW QUESTION 155

- (Topic 18)

Which device uses circulators or diplexer filters to separate and combine the different transmit and receive RF paths?

- A. Transceiver
- B. Bidirectional amplifier
- C. Unidirectional amplifier
- D. Repeater

Answer: C

NEW QUESTION 157

- (Topic 18)

What device is used in both wired and wireless networks to link network access devices?

- A. Bridge
- B. Gateway
- C. Router
- D. Switch

Answer: A

NEW QUESTION 160

- (Topic 18)

Which active DAS component is responsible for coupling input signals from donor systems?

- A. Coupling antenna
- B. Bidirectional amplifier
- C. Transceiver
- D. Receiver

Answer: B

NEW QUESTION 161

- (Topic 18)

You are designing a DAS that will support five buildings on a college campus. Which medium is best suited to ensure the best connectivity and throughput between the headend and backend devices located in the various buildings?

- A. Coaxial
- B. Optical fiber cabling
- C. Shielded twisted pair cabling
- D. Unshielded twisted pair cabling

Answer: B

NEW QUESTION 164

- (Topic 18)

The MINIMUM number of antennas needed to create a DAS is:

- A. One
- B. Three
- C. Five
- D. Seven

Answer: A

NEW QUESTION 168

- (Topic 18)

What is at the "root" of a DAS (distributive antenna system)?

- A. Antenna
- B. Receiver
- C. Transmitter
- D. Transceiver

Answer: D

NEW QUESTION 172

- (Topic 18)

Which wireless device should be used to support 3 computers and a printer?

- A. Bridge
- B. Gateway
- C. Router
- D. Switch

Answer: C

NEW QUESTION 173

- (Topic 19)

The three electronic security system (ESS) concepts the consultant needs to understand when creating an ESS system are threats, countermeasures, and:

- A. Risks
- B. Mitigation techniques
- C. Asset control
- D. Integration
- E. Intrusion detection

Answer: A

NEW QUESTION 176

- (Topic 19)

Given the following values, calculate the focal length of the camera lens.

- Distance of the camera to the object is 5 m
- Vertical field of view is 2 m
- Horizontal field of view 1 m

- A. 1 meter
- B. 5 meters
- C. 10 meters
- D. 50 meters
- E. 100 meters

Answer: C

NEW QUESTION 179

- (Topic 19)

The distance a CCTV signal may be run is determined by the strength of the signal at the source, required signal strength at the receiver, and:

- A. Signal loss of the cable
- B. Power requirement of the receiving device
- C. Recorded image
- D. Video format

Answer: A

NEW QUESTION 181

- (Topic 19)

The concept of the "security quandary" is based on providing a balancing act between what two elements?

- A. Access and isolation
- B. Risk and threat
- C. Asset and isolation
- D. Asset and risk
- E. Access and cost

Answer: A

NEW QUESTION 183

- (Topic 19)

What is the MOST important aspect of fire alarm signaling?

- A. Audibility
- B. Clarity
- C. Reliability
- D. Intelligibility

Answer: A

NEW QUESTION 186

- (Topic 19)

You are designing an audible alarm notification system for an office environment with an ambient noise level of 55 dBA. What dBA level should the horn be set at?

- A. 40 dBA
- B. 50 dBA
- C. 55 dBA
- D. 65 dBA
- E. 70 dBA

Answer: E

NEW QUESTION 189

- (Topic 20)

What is the MINIMUM cover for underground conduit?

- A. 152 mm (6 in)
- B. 305 mm (12 in)
- C. 457 mm (18 in)
- D. 610 mm (24 in)
- E. 762 mm (30 in)

Answer: D

NEW QUESTION 193

- (Topic 20)

Which one of the following is NOT an advantage of direct-buried cable?

- A. Is flexible for future reinforcements or changes

- B. Has a low initial installation cost
- C. Can easily bypass obstructions
- D. Preserves the aesthetic appearance of buildings

Answer: A

NEW QUESTION 197

- (Topic 20)

What warning tape color has the Common Ground Alliance (CGA) adopted for telecommunications and CATV cables?

- A. Orange
- B. Yellow
- C. White
- D. Green
- E. Red

Answer: A

NEW QUESTION 202

- (Topic 20)

You have determined that your underground cable design requires three maintenance holes (MHs). One is 4.3 m (14 ft), one is 6 m (20 ft), and one is 6.7 m (22 ft) in length. How many MH covers are required to serve these MHs?

- A. Three
- B. Four
- C. Six
- D. Seven
- E. Nine

Answer: D

NEW QUESTION 206

- (Topic 20)

When selecting poles for aerial telecommunications facilities, which of the following is the class number for the strongest rated pole?

- A. 10
- B. 6
- C. 4
- D. 2
- E. 00

Answer: E

NEW QUESTION 208

- (Topic 21)

If you have a data center where the entire infrastructure must be completely shutdown on an annual basis to perform preventative maintenance and repair work, what tier level would this represent?

- A. Tier I
- B. Tier II
- C. Tier III
- D. Tier IV

Answer: A

NEW QUESTION 213

- (Topic 21)

What type of redundancy provides two complete units, modules, paths or systems for every one required for a base system.

- A. N
- B. N+1
- C. N+2
- D. 2N
- E. 2(N+1)

Answer: D

NEW QUESTION 214

- (Topic 22)

You are renovating telecommunication rooms that support an acute care facility that has 10,000 sq ft floors. The facility will be adding 15,000 sq ft to each of the floors. What is the MINIMUM additional floor space that you will need to expand the TRs to support the new floor space?

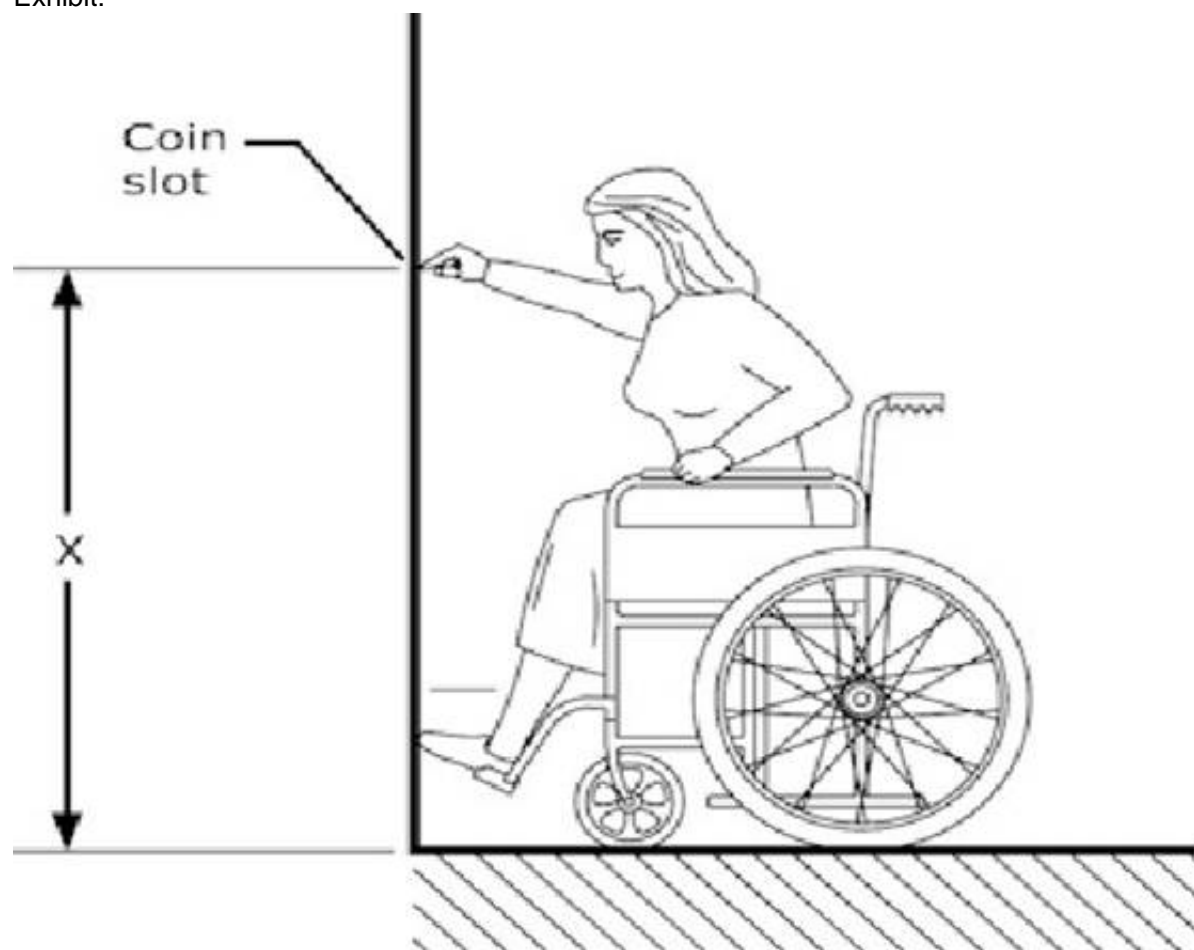
- A. 3 m x 3 m (10 ft x 10 ft)
- B. 3.5 m x 4.3 m (11.5 ft x 14 ft)
- C. 3.0 m x 4.5 m (10 ft x 15 ft)
- D. 6 m x 6 m (20 ft x 20 ft)

Answer: B

NEW QUESTION 216

- (Topic 23)

Exhibit:



High forward reach limit

A pay telephone using coins needs to be installed in a public area. In the specifications, it is required that the telephone shall meet the ADA (American with Disabilities Act) requirement for front reach using a wheelchair. What will be the maximum reachable height or the value of "X"?

- A. 760 mm (30 in)
- B. 864 mm (34 in)
- C. 1170 mm (46 in)
- D. 1220 mm (48 in)
- E. 1370 mm (54 in)

Answer: D

NEW QUESTION 220

- (Topic 23)

In new construction, what is the percentage of pay phones that must be equipped with volume controls?

- A. 4
- B. 10
- C. 25
- D. 35
- E. 50

Answer: C

NEW QUESTION 221

- (Topic 23)

A telephone facility and an electrical facility are required in a tunnel. To reduce the effects of EMI and eliminate the need for additional shielding of the cables, where would each facility be placed?

- A. On opposite sides of the tunnel
- B. On the same sides of the tunnel
- C. Together on the same pathway for easy access and maintenance
- D. One on the top part and one on the bottom part of the same side of the tunnel
- E. On the exterior of the tunnel

Answer: A

NEW QUESTION 225

- (Topic 23)

Which type of protection for electrical power stations provide isolation against a rise in potential of station ground and also provide drainage protection against longitudinally- induced voltages?

- A. Isolating transformers
- B. Neutralizing transformers

- C. Mutual drainage reactors
- D. Unit-type neutralizing transformers
- E. 2-winding neutralizing transformers

Answer: A

NEW QUESTION 228

- (Topic 23)

What is the air change requirement for a tunnel of 610 m (2000 ft) long with a diameter of 3.4 m (11 ft)?

- A. One complete air change per hour
- B. Two complete air changes per hour
- C. Three complete air changes per hour
- D. Four complete air changes per hour
- E. Five complete air changes per hour

Answer: C

NEW QUESTION 230

- (Topic 23)

In an office area, a consultant needs to add the location of a fax machine to the plan. What is the approximated floor area that a fax machine occupies?

- A. 0.2 sq m (2 sq ft)
- B. 0.5 sq m (5 sq ft)
- C. 1 sq m (10 sq ft)
- D. 1.5 sq m (16 sq ft)
- E. 2 sq m (20 sq ft)

Answer: C

NEW QUESTION 234

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