



BICSI

Exam Questions INSTC_V7

BICSI Installer 2 - Copper Exam

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NEW QUESTION 1

A radio station transmits an omnidirectional signal that is received by multiple radios. What type of transmission method is used in this example?

- A. Simplex
- B. Half-duplex
- C. Full-duplex

Answer: A

NEW QUESTION 2

Which of the following is the primary benefit of using wall-mounted racks and cabinets in place of traditional equipment racks?

- A. Provides equipment with a higher level of protection
- B. Allows for the equipment to be easily rearranged
- C. Optimizes airflow within the equipment room
- D. Takes up less space within the equipment room

Answer: D

NEW QUESTION 3

Which of the following terms is used to describe mechanical firestop systems?

- A. Endothermic
- B. Intumescent
- C. Ablative
- D. Elastomeric

Answer: D

NEW QUESTION 4

What is the markings for non-conductive optical fiber riser cable?

- A. OFNP
- B. OFNG
- C. OFNR
- D. OFCR

Answer: C

NEW QUESTION 5

Which of the following makes the biggest impression on a customer when you are communicating via email?

- A. Choice of words
- B. Body language
- C. Tone of voice

Answer: A

NEW QUESTION 6

Volts are measurement of _____?

- A. Light reflection
- B. Electrical pressure
- C. Electromagnetic radiation
- D. Sound waves

Answer: B

NEW QUESTION 7

Which of the following types of cable produces very little smoke when burned?

- A. CM
- B. CMG
- C. CMUC
- D. LSZH

Answer: D

NEW QUESTION 8

Which of the following fire-ratings provides information about smoke leakage?

- A. L rating
- B. I rating

- C. E rating
- D. W rating

Answer: A

NEW QUESTION 9

Which tool is required to pull backbone cable of significant weight?

- A. Pull string
- B. Furcating harness
- C. Pulling eye
- D. Tugger

Answer: D

NEW QUESTION 10

Which of the following is used to express system gain and loss?

- A. Ohms
- B. Henries
- C. Farads
- D. Decibel (dB)

Answer: D

NEW QUESTION 10

Which of the following terms describes the unwanted signal coupling from a disturbing pair of a 4-pair cable channel to a disturbed pair of another 4-pair channel?

- A. NEXT - Near end crosstalk
- B. ACRF - attenuation to crosstalk ratio far end
- C. AXT - alien crosstalk

Answer: C

NEW QUESTION 15

A third 90-degree bend may be permitted in a conduit run if one of the bends is located within of the cable feed end?

- A. 300 mm (12")
- B. 375 mm (15")
- C. 450 mm (18")
- D. 483mm (19")

Answer: A

NEW QUESTION 17

Which of the following is permissible if the available firestop assembly is NOT capable of properly restoring the necessary fire rating?

- A. Substitute products from another assembly
- B. Add more of the product to increase the rating
- C. Obtain written assistance from the manufacturer
- D. Move the installation to another location

Answer: C

NEW QUESTION 18

Which of the following attachment methods does BICSI recommend for attaching coaxial connectors to coaxial cable?

- A. Screw-on
- B. Push-on
- C. Compression
- D. Crimp

Answer: C

NEW QUESTION 21

What is the primary purpose of firestopping?

- A. Increase a facilities ability to detect fires
- B. Reestablish the barrier's fire rating
- C. Restore the barrier's original load-bearing capacity
- D. Suppress fires before they can spread

Answer: B

NEW QUESTION 22

Which of the following is designed to provide protection from harmful chemicals?

- A. Cut-resistant gloves
- B. Rubber gloves
- C. Leather gloves

Answer: B

NEW QUESTION 23

A third 90-degree bend may be permitted in a conduit run if the run does NOT exceed _____?

- A. 5 m (16.5')
- B. 10 m (33')
- C. 15 m (50')
- D. 30 m (100')

Answer: B

NEW QUESTION 26

Fall protection is required whenever a person is exposed to a fall hazard more than _____?

- A. 1.2 m (4')
- B. 1.83 m (6')
- C. 2.4 m (8')
- D. 3 m (10')

Answer: B

NEW QUESTION 30

Which of the following tend to cause sheath damage during cable pulling?

- A. FMC/FMT
- B. RMC/IMC
- C. EMT/ENT

Answer: A

NEW QUESTION 35

Which of the following refers to a set of rules issued by a governmental body at the state level within the US?

- A. Regulations
- B. Best Practices
- C. Applications
- D. Guidelines

Answer: A

NEW QUESTION 39

During a retrofit, an installation crew discovers old insulation that they think may contain asbestos, they cannot complete their work without disturbing the insulation. What is the best course of action for the crew to take?

- A. Remove the asbestos-containing substance
- B. Monitor the air quality while they work
- C. Wear breathing protection during the task
- D. Stop work immediately

Answer: D

NEW QUESTION 44

Which of the refers to a rule or set of rules intended to endure safety during the installation and use of materials, components, fixtures, systems, premises and related subjects?

- A. Standard
- B. Directive
- C. Code
- D. Regulation

Answer: C

NEW QUESTION 48

Which of the following connector styles is presently used within optical fiber cabling systems (i.e., it is NOT a legacy connector)?

- A. Biconic
- B. Small form factor (SFF)

- C. Mechanical transfer RJ
- D. SMA 906

Answer: B

NEW QUESTION 50

What is the minimum number of consolidation points that should serve an open office furniture cluster?

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

Answer: A

NEW QUESTION 51

Which of the following must be measured before the length of a coaxial cable can be calculated?

- A. Propagation delay
- B. Insertion loss
- C. DC loop resistance
- D. Delay skew

Answer: C

NEW QUESTION 56

What is the maximum pull force for four-strand optical fiber?

- A. 222N (50 lbf)
- B. 330 N (75lbf)
- C. 880 N (200 lbf)

Answer: A

NEW QUESTION 60

Which of the following is used to establish a 0 volt (V) reference for ac electrical power systems?

- A. Alternating current (AC) grounding electrode system
- B. Telecommunication bonding infrastructure
- C. Equipment grounding system

Answer: A

NEW QUESTION 62

Which type of optical fiber cable should be color coded with a RED outer cable sheath?

- A. Dispersion-shifted SM optical fiber
- B. MM optical fiber with 50 um core diameter (laser-optimized)
- C. Polarization maintain SM optical fiber
- D. MM optical fiber with 50 um core diameter

Answer: A

NEW QUESTION 65

Which pair of a 100-ohm balanced twisted pair patch cable has a white-brown tip and a brown-white ring?

- A. Pair 1
- B. Pair 2
- C. Pair 3
- D. Pair 4

Answer: D

NEW QUESTION 69

Which of the following is a benefit of air-blown optical fiber cable?

- A. It requires less testing than other types of cables
- B. It can be recovered and reused
- C. It is significantly cheaper than other types of cables

Answer: B

NEW QUESTION 73

What is the maximum permissible amount of untwisting for category 5e cable and higher?

- A. 12.7 mm (0.5")
- B. 25 mm (1")
- C. 38 mm (1.5")
- D. 75 mm (3")

Answer: A

NEW QUESTION 78

What is the specified performance level for Category 6 cable?

- A. 100 MHz
- B. 250 MHz
- C. 500 MHz
- D. 600 MHz

Answer: B

NEW QUESTION 81

What is the primary purpose of an electrical grounding system?

- A. Ensure a minimal level of acceptable performance for a building's telecommunications infrastructure
- B. Enhance personnel safety and reduce the likelihood of a fire hazard
- C. Protect and provide organization for cables, splices and connectors
- D. Prevent unauthorized access to the buildings electrical protection system

Answer: B

NEW QUESTION 82

What type of connector is used with ribbon cable?

- A. F Connector
- B. N Connector
- C. Array
- D. MPO

Answer: C

NEW QUESTION 87

What is the size of a rack-mounted unit (RMU)?

- A. 25 mm (1")
- B. 38 mm (1.5")
- C. 45 mm (1.75")
- D. 50 mm (2")

Answer: C

NEW QUESTION 92

What is the required physical topology for a SCS?

- A. Star
- B. Bus
- C. Ring
- D. Tree

Answer: A

NEW QUESTION 95

Which type of cabling is installed between a main cross connect and a horizontal cross connect?

- A. Second-level backbone
- B. First-level backbone
- C. Horizontal

Answer: B

NEW QUESTION 96

If you are working on a catwalk, you are required to wear _____ ?

- A. Full body harness and two lanyards
- B. Nothing, your fine on the catwalk
- C. Safety belt

Answer: A

NEW QUESTION 99

What method of transmission is used to transmit signals during a telephone call?

- A. Simplex
- B. Half-duplex
- C. Full duplex

Answer: C

NEW QUESTION 103

Which of the following interconnects the PBB to the SBB?

- A. TBB
- B. BBC
- C. RBB
- D. TEBC

Answer: A

NEW QUESTION 106

Which type of optical fiber cable should be color coded with an Orange outer cable sheath?

- A. MM with a 100 um core diameter
- B. Dispersion-shifted SM optical fiber
- C. Polarization maintain SM optical fiber
- D. SM optical fiber

Answer: A

NEW QUESTION 108

Which of the following combinations is used to identify the tip conductors in Pair 1 of a 4-pair cable?

- A. White-Blue
- B. White-Orange
- C. Green-White
- D. Brown-White

Answer: A

NEW QUESTION 112

Light pulses in optical fiber cables are subjected to a loss in power as the light pulses travel along the optical fiber. Which of the following terms is used to describe this phenomenon?

- A. Attenuation
- B. Grounding
- C. Crosstalk
- D. Frequency

Answer: A

NEW QUESTION 116

Which of the following types of construction protects the optical fiber by supporting each strand of glass with a buffer coating extruded over the base optical fiber's 250 um acrylate coating?

- A. Single stranded
- B. Loose tube
- C. Tight buffered
- D. Ribbon

Answer: C

NEW QUESTION 120

Which of the following should be used to prevent the cable from twisting during a horizontal backbone pull?

- A. Cable brake
- B. Innerduct
- C. Swivel
- D. Wire mess grip

Answer: C

NEW QUESTION 125

A grey backboard should be used to identify _____ backbone cable?

- A. Second-level

- B. Intrabuilding
- C. First-level

Answer: A

NEW QUESTION 128

The horizontal distance from the base of the ladder to the supporting wall should be _____ percent the working length of the ladder.

- A. 10
- B. 15
- C. 20
- D. 25

Answer: D

NEW QUESTION 132

Which of the following fire ratings refers to the time period that the unexposed surface of a firestop assembly does not exceed 180 degrees C (325 degrees F) above its initial temperature?

- A. E rating
- B. FT rating
- C. FH rating
- D. S rating

Answer: B

NEW QUESTION 134

What is the primary purpose of the telecommunications bonding infrastructure?

- A. Equalize potentials between metallic surfaces and equipment within entrance facilities
- B. Improve the performance of the installed telecommunications equipment
- C. Provide backup power to the telecommunications equipment when primary power to the equipment fails.

Answer: A

NEW QUESTION 135

What is the most appropriate administration class for an infrastructure with multiple telecommunications spaces within one building?

- A. Class 1
- B. Class 2
- C. Class 3
- D. Class 4

Answer: B

NEW QUESTION 137

What grade of plywood is recommended for use with ICT systems?

- A. A/C
- B. A/D
- C. C/D
- D. B/C

Answer: A

NEW QUESTION 142

Which of the following tools is a low-cost cable verifier that can be used to test for opens, shorts, crossed pairs, and miswires in 4- pair cables?

- A. Wire map tester
- B. Qualification tester
- C. Telephone test set
- D. TDR

Answer: A

NEW QUESTION 146

Which of the following should be used to install plywood in a telecommunications room if the edge of the board does NOT align with the wall studs?

- A. Toggle bolts
- B. Metal nails
- C. Galvanized screws

Answer: A

NEW QUESTION 150

Which of the following steps should be performed first when terminating a coaxial cable?

- A. Verify connector type
- B. Cut the cable
- C. Strip the cable
- D. Fold back the braiding

Answer: A

NEW QUESTION 154

You are pre-terminating cable. Where should the labels be placed?

- A. Near end
- B. Far end
- C. Both ends

Answer: C

NEW QUESTION 158

Which of the following components is used to bond the electrical system's grounding electrode system to the PBB?

- A. RBB
- B. BBC
- C. TBB
- D. TBC

Answer: D

NEW QUESTION 163

How long does it take someone to form a first impression?

- A. 10 to 15 seconds
- B. 1 to 2 minutes
- C. 5 to 10 minutes
- D. 30 minutes to 1 hour

Answer: A

NEW QUESTION 166

How much sheath of the cable needs to be removed in order to properly terminate an 8P8C?

- A. 6.3mm (0.25")
- B. 12.7mm (0.5")
- C. 25mm (1")
- D. 38 mm (1.5")

Answer: B

NEW QUESTION 169

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