

# BICSI

## Exam Questions INSTC\_V7

BICSI Installer 2 - Copper Exam



#### NEW QUESTION 1

Which of the following is a floor serving space that serves as a point of termination for horizontal and backbone cables?

- A. EF
- B. TR
- C. ER
- D. Work area

**Answer:** B

#### NEW QUESTION 2

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 3

Volts are measurement of \_\_\_\_\_?

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

**Answer:** B

#### NEW QUESTION 4

Which of the following terms describes the ration of the power of the outgoing signal to the power of the reflected signal expressed in decibels?

- A. Mutual capacitance
- B. Characteristic impedance
- C. Insertion loss
- D. Return loss

**Answer:** D

#### NEW QUESTION 5

What is the minimum recommended height that should be used when mounting a plywood back board in a telecommunication space?

- A. 100 mm (4")
- B. AFF 150 mm (6")
- C. AFF 200 mm (8")
- D. AFF 300 mm (12") AFF

**Answer:** C

#### NEW QUESTION 6

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 7

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 8

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 9**

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 10**

Electrical power (P) is measured in \_\_\_\_\_?

- A. Ohms
- B. Farads
- C. henries
- D. Watts

**Answer:** D

**NEW QUESTION 10**

What is the recommended minimum amount of aisle space between and around equipment?

- A. 0.6 m (2')
- B. 1 m (3.3')
- C. 1.2 m (4')
- D. 1.52 m (5')

**Answer:** B

**NEW QUESTION 14**

Which of the following are typically used to support cables between a cable tray and work area outlets?

- A. J-Hook
- B. Innerduct
- C. Pipe hanger
- D. Trapeze

**Answer:** A

**NEW QUESTION 15**

A purple backboard should be used to identify \_\_\_\_\_?

- A. Common equipment
- B. Demarcation point
- C. Network connections
- D. Horizontal cable

**Answer:** A

**NEW QUESTION 17**

You are terminating a category 3 cable. What is the maximum permissible amount of untwisting?

- A. 25 mm (1")
- B. 38 mm (1.5")
- C. 75 mm (3")
- D. 100 mm (4")

**Answer:** C

**NEW QUESTION 22**

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 27

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 32

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 36

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 41

What is the recommended thickness for plywood that will be mounted on the walls of a telecommunications room?

- A. 12.7 mm (1/2")
- B. 19 mm (3/4")
- C. 25 mm (1")
- D. 32 mm (1-1/4")

**Answer:** B

#### NEW QUESTION 43

Which of the following is used to equalize potential differences between the SBB on the same floor?

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

**Answer:** B

#### NEW QUESTION 44

What is the characteristic impedance of Series-6 coaxial cable?

- A. 25 ohms
- B. 50 ohms
- C. 75 ohms
- D. 100 ohms

**Answer:** C

#### NEW QUESTION 45

What is the minimum inside bend radius for balanced twisted pair (multi-pair) cable?

- A. 25 mm (1")
- B. 50 mm (2")
- C. 6 times the outside cable diameter
- D. 10 times the outside cable diameter

**Answer:** D

#### NEW QUESTION 49

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 51**

Two truck drivers are communicating over a Citizens Band (CB) radio. Only one driver can send a message at a time with this system. What type of transmission method is used in this example?

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

**Answer:** B

**NEW QUESTION 53**

What is the specified performance level for Category 8 cable?

- A. 100 MHz
- B. 250 MHz
- C. 1000 MHz
- D. 2000 MHz

**Answer:** D

**NEW QUESTION 56**

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 61**

Which phase of testing includes documenting the test results?

- A. Phase 1
- B. Phase 2
- C. Phase 3

**Answer:** C

**NEW QUESTION 65**

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 66**

What is the required physical topology for a SCS?

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

**Answer:** A

**NEW QUESTION 69**

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 74**

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 76**

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 79**

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 81**

Which type of tester includes a set of modular plugs?

- A. Inductive amplifier
- B. Tone generator
- C. Multimeter
- D. Cable-end locator kit

**Answer:** D

**NEW QUESTION 85**

Which of the following describes a nonmechanical firestop system that forms a hard char when exposed to flame?

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

**Answer:** C

**NEW QUESTION 87**

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 91**

Which of the following is used to measure the length of a 4-pair cable?

- A. Time domain reflectometer (TDR)
- B. Pair scanner
- C. Cable-end locator kit
- D. Tone generator

**Answer:** A

**NEW QUESTION 92**

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 96**

What is the minimum inside bend radius for balanced twisted pair (4 pair) cable?

- A. 25 mm (1")
- B. 50 mm (2")
- C. 4 times the outside cable diameter
- D. 15 times the outside cable diameter

**Answer:** C

**NEW QUESTION 98**

Which of the following results from the different optical path lengths in a multimode fiber?

- A. Modal dispersion
- B. Chromatic dispersion
- C. Attenuation

**Answer:** A

**NEW QUESTION 99**

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 100**

Which topology uses a linear configuration that places all network devices on one length of cable?

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

**Answer:** C

**NEW QUESTION 105**

Which of the following make the biggest impression on a customer during face-to-face conversation?

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

**Answer:** C

**NEW QUESTION 107**

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 111**

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 113**

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 115**

What is the bend radius requirement for optical fiber cable when the cable is at rest?

- A. 10 times the cables outside diameter
- B. 15 times the cables outside diameter
- C. 20 times the cables outside diameter

**Answer:** A

**NEW QUESTION 119**

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 120**

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