



# **BICSI**

## **Exam Questions INSTC\_V7**

BICSI Installer 2 - Copper Exam

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#### NEW QUESTION 1

How many cycles are in 10Hz?

- A. 1
- B. 5
- C. 10
- D. 20

**Answer:** C

#### 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 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 4

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

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

**Answer:** B

#### NEW QUESTION 5

Which of the following is a property of an electromagnetic field built around a conductor that opposes any changes in current flow in a circuit?

- A. Impedance
- B. Capacitance
- C. Inductance
- D. Resistance

**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 is used to express system gain and loss?

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

**Answer:** D

#### NEW QUESTION 8

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 9

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 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

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 16

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 19

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 24

Which of the following is used to connect cabinets to the nearest SBB?

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

**Answer:** C

**NEW QUESTION 25**

Which of the following steps should be performed first when an installer is pulling backbone cable from the bottom up?

- A. Label cables and reels
- B. Verify the proper cable run
- C. Determine appropriate rope size
- D. Move cable reels into place

**Answer:** B

**NEW QUESTION 28**

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 33**

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 38**

What is the maximum number of work areas that a CP should serve?

- A. 2
- B. 3
- C. 6
- D. 12

**Answer:** D

**NEW QUESTION 39**

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 44**

Which of the following markings is used for non-conductive optical fiber general-purpose cables?

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

**Answer:** A

**NEW QUESTION 49**

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 54**

Which of the following items may be used as a substitute device for a pulling eye?

- A. Wire mesh grip
- B. Fan-out kit
- C. Innerduct
- D. D rings

**Answer:** A

#### NEW QUESTION 55

Which of the following is used to perform continuity and length tests for coaxial cable?

- A. TDR (Time domain reflectometer) with an adapter
- B. OLTS (optical loss test set)
- C. VFL (visual fault locator)
- D. OTDR (optical time domain reflectometer)

**Answer:** A

#### NEW QUESTION 58

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 60

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 62

Which of the following is a building-serving space that houses large pieces of common active equipment?

- A. TR
- B. ER
- C. TE
- D. Mechanical Room
- E. Battery room

**Answer:** B

#### NEW QUESTION 63

What is the required physical topology for a SCS?

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

**Answer:** A

#### NEW QUESTION 67

Which of the following markings indicates that the cable is designed for use in a plenum space?

- A. CMR
- B. CMUC
- C. CMP
- D. CMX

**Answer:** C

#### NEW QUESTION 72

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 77**

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 78**

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 83**

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 88**

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 93**

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 95**

Which of the following steps should be performed first when an installer is pulling optical fiber cable?

- A. Install and secure innerduct
- B. Ensure the cable has been tested and accepted
- C. Label cables
- D. Attach pull rope

**Answer:** B

**NEW QUESTION 100**

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 105**

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 110

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 112

How much cable slack should be left in the work area after termination?

- A. 0.5m (1.6')
- B. 1m (3.3')
- C. 1.2 m (4')
- D. 3m (10')

**Answer:** B

#### NEW QUESTION 113

Which of the following is a measure of the amount of information being transported over media?

- A. Megabits
- B. Volt-amperes
- C. Kilowatt hours
- D. Megahertz

**Answer:** A

#### NEW QUESTION 114

Which of the Two organizations jointly oversee the worldwide standardization of telecommunications cabling?

- A. Alliance for Telecommunications Industry Solutions (ATIS) and Society for Cable Telecommunications Engineers (SCTE)
- B. National Electrical Contractors Association (NECA) and National Fire Protection Association (NFPA)
- C. Comite Europeen de Normalisation Electrotechnique (CENELEC) and Electronic Industries Association (EIA)
- D. International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC)

**Answer:** D

#### NEW QUESTION 119

Which of the following may provide a demarcation point between the service provider and the customer premises cabling?

- A. Telecommunications room
- B. Work area
- C. Telecommunications enclosure
- D. Entrance facility

**Answer:** D

#### NEW QUESTION 121

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 126

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

- A. EF
- B. ER
- C. TR
- D. TE

**Answer:** C



NEW QUESTION 130  
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