



**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

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 3

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 4

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 5

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 6

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 7

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 8

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 9

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 10

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

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

**Answer:** A

#### NEW QUESTION 10

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 11

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 13

If the situation requires, a conduit should be terminated \_\_\_\_\_ the plywood backboard?

- A. Through
- B. Above
- C. Below

**Answer:** A

#### NEW QUESTION 14

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 19

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 24

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 25

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 28

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 32

What is the maximum allowable horizontal cable length?

- A. 10 m (33')
- B. 30 m (100')
- C. 50 m (164')
- D. 90 m (295')

**Answer:** D

#### NEW QUESTION 33

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 34

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 39

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 42

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 47**

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 52**

What type of connector is used with ribbon cable?

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

**Answer:** C

**NEW QUESTION 56**

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 59**

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 62**

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 65**

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 66**

Which of the following interconnects the PBB to the SBB?

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

**Answer:** A

#### NEW QUESTION 67

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 69

Which of the following is the bonding connection point for telecommunications systems and equipment in the area by a telecommunication space?

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

**Answer:** A

#### NEW QUESTION 73

The information transmitted by an ICT system can originate in two fundamental forms:

- A. Synchronous and asynchronous
- B. Light and sound
- C. Progressive and regressive
- D. Analog and digital

**Answer:** D

#### NEW QUESTION 78

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 79

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 80

Which is a keyed, contact, moderate loss connector in present use today that is pull & wiggle-proof?

- A. Opti-Jack
- B. SMA 906
- C. Subscriber Connector (SC)
- D. Straight Tip (ST)

**Answer:** D

#### NEW QUESTION 82

What is the minimum recommended amount of vertical clearance for open-top cable supports?

- A. 75 mm (3")
- B. 100 mm (4")
- C. 125 mm (5")
- D. 150 mm (6")

**Answer:** A

#### NEW QUESTION 86

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 91

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 95

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 96

What type of coaxial cable is used for video backbone distribution?

- A. Series 6
- B. Series 11
- C. RG 59
- D. RG 58

**Answer:** B

#### NEW QUESTION 99

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 102

Which type of cabling is installed between a main cross-connect (campus distributor) and an intermediate cross-connect (building distributor)?

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

**Answer:** A

#### NEW QUESTION 105

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 110

How far should the top of a ladder extend above the roofline?

- A. 0.3 m (1')
- B. 0.5 m (1.6')
- C. 0.6 m (2')
- D. 0.9 m (3')

**Answer:** D

#### NEW QUESTION 115

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 119

Which of the following topologies is the recommended topology for distribution systems in campus environments?

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

**Answer:** A

#### NEW QUESTION 122

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 126

Cavity boxes should be at least \_\_\_\_\_ away from the wall, where possible.

- A. 100mm (4")
- B. 150mm (6")
- C. 300mm (12")
- D. 450mm (18")

**Answer:** A

#### NEW QUESTION 128

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 129

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 134

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 135

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