



# **BICSI**

## **Exam Questions IN101\_V7**

BICSI Installer 1 Exam

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#### NEW QUESTION 1

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 2

Which of the following PPE items **MUST** be worn at all times when you are working with or handling OF?

- A. Fall Protection
- B. Eye Protection
- C. Hearing Protection
- D. Breathing Protection

**Answer:** B

#### NEW QUESTION 3

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 4

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 5

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 6

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 7

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 8

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 9

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 10

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 10

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 13

Which of the following interconnects the PBB to the SBB?

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

**Answer:** A

#### NEW QUESTION 16

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 21

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

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

**Answer:** B

#### NEW QUESTION 25

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 30**

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 33**

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 35**

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

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

**Answer:** C

**NEW QUESTION 40**

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 45**

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 49**

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 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

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

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

**Answer:** A

#### NEW QUESTION 57

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 59

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 63

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 68

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 69

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 73

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

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

**Answer:** C

#### NEW QUESTION 76

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 79**

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 81**

What type of connector is used with ribbon cable?

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

**Answer:** C

**NEW QUESTION 83**

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 85**

Which of the following quantifies the bandwidth of a cabling system in a frequency range of interest?

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

**Answer:** C

**NEW QUESTION 86**

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 91**

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 96**

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 99**

Which phase of testing includes documenting the test results?

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

**Answer:** C

#### NEW QUESTION 103

During the troubleshooting phase, what is the first step?

- A. Verify
- B. Isolate
- C. Repair
- D. Test

**Answer:** A

#### NEW QUESTION 104

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 106

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 111

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