

# **BICSI**

## **Exam Questions IN101\_V7**

BICSI Installer 1 Exam



**NEW QUESTION 1**

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 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**

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 5**

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 6**

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 7**

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 8**

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 9**

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 10**

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 10**

Which of the following interconnects the PBB to the SBB?

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

**Answer:** A

**NEW QUESTION 12**

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 15**

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

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

**Answer:** D

**NEW QUESTION 19**

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 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**

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 26**

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 29**

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 33**

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 36**

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 37**

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

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

**Answer: C**

**NEW QUESTION 42**

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 43**

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 47**

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 51**

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 55**

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 60**

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 62**

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 65**

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 69**

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 73**

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 75**

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 78**

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 81**

Unqualified workers must stay AT LEAST \_\_\_\_\_ from exposed energized conductors operating at 300 to 50,000 V.

- A. 0.3 m (1')
- B. 3 m (10')
- C. 15 m (50")
- D. 30 m (100')

**Answer: B**

**NEW QUESTION 86**

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 90**

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 92**

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 93**

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 97**

During the troubleshooting phase, what is the first step?

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

**Answer:** A

**NEW QUESTION 98**

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 101**

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