

## 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

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 4

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

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

**Answer:** D

#### 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 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 7

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 8

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 9**

Which of the following types of cable produces very little smoke when burned?

- A. CM
- B. CMG
- C. CMUC
- D. LSZH

**Answer:** D

**NEW QUESTION 10**

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 10**

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 15**

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 17**

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 18**

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 22**

Which of the following interconnects the PBB to the SBB?

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

**Answer:** A

**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 26**

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 31**

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 34**

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 35**

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 39**

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

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

**Answer: D**

**NEW QUESTION 41**

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 42**

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 45**

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 48**

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 50**

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

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

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**

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 59**

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 60**

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 61**

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 65**

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 68**

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

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

**Answer:** C

**NEW QUESTION 70**

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 73**

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 77**

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 78**

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 82**

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 83**

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 87**

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 89**

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 91**

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 92**

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 93**

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

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

**Answer: C**

**NEW QUESTION 98**

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 101**

Which of the following is the first step of the emergency rescue process?

- A. Survey the scene
- B. Contact 911
- C. Notify someone

D. Secure the area

**Answer:** A

**NEW QUESTION 103**

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 104**

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 108**

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 113**

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 114**

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 119**

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 124**

Which phase of testing includes documenting the test results?

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

**Answer:** C

**NEW QUESTION 127**

During the troubleshooting phase, what is the first step?

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

**Answer:** A

**NEW QUESTION 132**

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