

# **BICSI**

## **Exam Questions IN101\_V7**

BICSI Installer 1 Exam



**NEW QUESTION 1**

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 2**

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 3**

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 4**

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 5**

Which of the following interconnects the PBB to the SBB?

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

**Answer: A**

**NEW QUESTION 6**

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 7**

Which of the following should be used to prevent the cable from twisting during a horizontal backbone pull?

- A. Cable brake
- B. Innerduct
- C. Swivel
- D. Wire mess grip

**Answer: C**

**NEW QUESTION 8**

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 9**

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 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 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 12**

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 16**

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 18**

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 23**

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

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

**Answer:** C

**NEW QUESTION 27**

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 31**

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 33**

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 36**

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 38**

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 41**

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 44**

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 48**

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 52**

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 55**

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 57**

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 59**

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 61**

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 66**

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 71**

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 73**

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 75**

What type of connector is used with ribbon cable?

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

**Answer: C**

**NEW QUESTION 78**

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 82**

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 84**

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 88**

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 89**

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 93**

Which phase of testing includes documenting the test results?

- A. Phase 1
- B. Phase 2

C. Phase 3

**Answer: C**

**NEW QUESTION 98**

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