

# Exam Questions INSTC\_V7

BICSI Installer 2 - Copper Exam

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#### 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

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

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

**Answer: B**

#### 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 of the following fire-ratings provides information about smoke leakage?

- A. L rating
- B. I rating
- C. E rating
- D. W rating

**Answer: A**

#### NEW QUESTION 6

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 7

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 8

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 9**

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**

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 10**

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 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 16**

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 21**

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 25**

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 30**

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 33**

Two truck drivers are communicating over a Citizens Band (CB) radio. Only one driver can send a message at a time with this system. What type of transmission method is used in this example?

- A. Simplex
- B. Half-duplex
- C. Full duplex

Answer: B

**NEW QUESTION 38**

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 40**

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 43**

Which phase of testing includes documenting the test results?

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

Answer: C

**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 50**

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 53**

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 56**

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 58**

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 60**

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 61**

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 65**

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 69**

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 73**

How much cable slack should be left in the work area after termination?

- A. 0.5m (1.6')
- B. 1m (3.3')
- C. 1.2 m (4')
- D. 3m (10')

Answer: B

**NEW QUESTION 74**

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 75**

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 77**

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 82**

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 83**

Which of the Two organizations jointly oversee the worldwide standardization of telecommunications cabling?

- A. Alliance for Telecommunications Industry Solutions (ATIS) and Society for Cable Telecommunications Engineers (SCTE)
- B. National Electrical Contractors Association (NECA) and National Fire Protection Association (NFPA)
- C. Comite Europeen de Normalisation Electrotechnique (CENELEC) and Electronic Industries Association (EIA)
- D. International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC)

Answer: D

**NEW QUESTION 88**

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 91**

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