

BICSI

Exam Questions IN101_V7

BICSI Installer 1 Exam



NEW QUESTION 1

How many cycles are in 10Hz?

- A. 1
- B. 5
- C. 10
- D. 20

Answer: C

NEW QUESTION 2

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 3

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 4

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 5

Which of the following fire ratings refers to the time period that a fire-rated assembly can resist flame passage?

- A. L rating
- B. F rating
- C. W rating
- D. T rating

Answer: B

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 types of cable produces very little smoke when burned?

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

Answer: D

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

What is the maximum permissible amount of untwisting for category 5e cable and higher?

- A. 12.7 mm (0.5")
- B. 25 mm (1")
- C. 38 mm (1.5")
- D. 75 mm (3")

Answer: A

NEW QUESTION 10

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

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 13

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 17

A grey backboard should be used to identify _____ backbone cable?

- A. Second-level
- B. Intrabuilding
- C. First-level

Answer: A

NEW QUESTION 19

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 20

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 23

Which of the following markings indicates that the cable is designed for use in a plenum space?

- A. CMR
- B. CMUC
- C. CMP
- D. CMX

Answer: C

NEW QUESTION 25

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 29

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

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

Answer: D

NEW QUESTION 33

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 36

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 41

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 42

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 45

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 46

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 51

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 55

Which of the following terms describes the ration of the power of the outgoing signal to the power of the reflected signal expressed in decibels?

- A. Mutual capacitance
- B. Characteristic impedance
- C. Insertion loss
- D. Return loss

Answer: D

NEW QUESTION 59

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 61

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 65

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 67

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 69

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 71

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 74

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 76

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 80

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 85

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 88

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 93

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 94

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 97

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 101

A third 90-degree bend may be permitted in a conduit run if one of the bends is located within _____ of the cable feed end?

- A. 300 mm (12")
- B. 375 mm (15")
- C. 450 mm (18")
- D. 483mm (19")

Answer: A

NEW QUESTION 102

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 104

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 107

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 111

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 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 118

Which phase of testing includes documenting the test results?

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

Answer: C

NEW QUESTION 120

During the troubleshooting phase, what is the first step?

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

Answer: A

NEW QUESTION 125

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 129

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 134

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