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Q&A

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Exam : **HT0-102**

Title : HTI+ Systems Infrastructure and Integration

Version : DEMO

1.Which of the following serial protocols allows the daisy chaining of devices?

A. Fire Wire
B. RS-232
C. RS-422
D. RS-485
Answer: D

2.Which of the following is a requirement of a home automation system that allows the system to be set up for out of band remote maintenance from an off-site location?

A. Dial-in modem
B. Local terminal
C. Infrared remote
D. Wireless access point
Answer: A

3.Which of the following is a support that is mounted to the backboard and used to manage cables?

A. Conduit
B. 66 block
C. D-ring
D. Cable tray
Answer: C

4.A technician is programming the locations for 802.11 devices used in home automation. Which of the following describes the Layer 2 address of the OSI model?

A. IP address
B. MAC address
C. X10 address
D. 802.11 address
Answer: B

5.The design of a system requires a wall-mounted control device that works with a RS-485 based control processor. Control needs to be available at 16 locations. The interface should allow the technician to customize the menu options with icons and text associated with each of the push buttons. Which of the following meets the design criteria?

A. Web pad
B. LCD keypad
C. If remove control
D. Touch screen controller
Answer: B

6.One of the devices used to control a multimedia center uses serial communications to receive instructions from he system controller. The device needs to be tested off-line, and it has been disconnected from the system controller. A notebook computer equipped wit ha serial port is available for testing. Which of the following cables will complete the connection?

A. Coaxial
B. Patch
C. Telephone
D. Null-modem
Answer: D

7.An integrated home automation system is being designed to use a personal computer equipped with a single IEEE 1394 port. What is the total number of devices that additional ports are needed?

A. 23
B. 43
C. 63
D. 83
Answer: C

8.Which of the following methods offer protection from attenuation in larger installations using an X10 protocol to control devices?

A. IR repeater
B. Signal bridge
C. RS-232 to RS-485 converter
D. 75 ohm to 100 ohm converter
Answer: B

9.The IEEE 1394 interface is commonly referred to as:

A. SCSI
B. FireWireTM
C. Fast Ethernet
D. Gigabit Ethernet
Answer: B

10.Which of the following standards has the greatest maximum distance from the central office of the telephone company to the home?

A. ADSL
B. SDSL

C. IDSL
D. G.SHDSL
Answer: C

11.Which of the following systems utilizes the electrical cabling as a control media throughout the house?

A. PLC
B. HomeRF
C. HomePNA
D. Broadband coaxial
Answer: A

12.Which of the following does NOT need to be documented for a control system?

A. System diagram
B. Equipment list
C. Configuration of equipment
D. Equipment specifications
Answer: D

13.In a wireless security system, the controller should monitor each transmitter for:

A. high interference
B. low radiation level
C. high humidity
D. low battery
Answer: D

14.Which of the following devices is required by the Federal Communications Commission (FCC) for registered alarm connections in which alarm panels are connected to a telephone line?

A. RJ-11
B. RJ-21
C. RJ-31X
D. RJ-45
Answer: C

15.Which of the following terms describes a point or group of points in an alarm system?

A. Zone
B. Area
C. Perimeter
D. Demarcation

Answer: A

16.Which of the following tools is used to fasten a connector to a cable end?

A. Crimper
B. Wire strippers
C. Lineman's pliers
D. Punch-down tool
Answer: A

17.Which of the following authorities establish the National Electrical Code (NEC) as legal regulations?

A. Local fire marshal
B. Local governments
C. Building contractors
D. National Fire Protection Association (NFPA)
Answer: B

18.Which of the following ANSI/TIA/EIA standards most directly concerns residential low-voltage an telecommunication cabling?

A. 568-B
B. 570
C. 570-A
D. 606
Answer: C

19.A programmable HVAC thermostat can be accessed remotely to:

A. warm of a high heating bill
B. light up the thermostat in dark hallways
C. power the HVAC upon the loss of AC power
D. allow the panel to control the temperature settings of the thermostat
Answer: D

20.Which of the following devices will prevent the loss of functionality during a sudden alternating current (AC) power outage?

A. Dedicated circuit
B. Surge protector
C. Transfer switch
D. Uninterruptible Power Supply (UPS)
Answer: D