

Exam : CompTIA HT0-101

Title : HTI+ Residential Systems

Version : Demo

1. Three communicating thermostats installed in one residence is referred to as a:

- A. 3-Damper system
- B. 3-Room system
- C. 3-Zone system
- D. 3-Process system

Answer: C

2. Covert video cameras can be legally installed:

- A. Anywhere the client decides.
- B. Anywhere there is a potential for high-crime volume.
- C. In places where there is no expectation of privacy.
- D. In places where permissions has been given by the owner.

Answer: C

3. When troubleshooting a lighting problem in an existing home, the home technology integrator differentiates between low-voltage and high-voltage lighting control by examining the:

- A. Incandescent bulbs
- B. Fluorescent bulbs
- C. Differences in the wall and ceiling mounts
- D. Cable supplying power to the lighting fixture

Answer: D

4. A technician is on-site to configure a home security alarm system. The technician needs to create a configuration that alerts the off-site customer monitoring center whenever the front and side doors are armed and opened. Which of the following devices does the technician need to install on the doors to have them trip the alarm?

- A. Rug sensors
- B. Motion sensor
- C. Magnetic contacts
- D. Closed circuit TV

Answer: C

5. Which of the following ports must be open to allow HTTP traffic through a firewall?

A. 23

B. 25

C. 80

D. 110

Answer: C

6. The maximum recommended cable distance between stations for 10Base-T Ethernet on Category 3 cabling is:

A. 50 meters

B. 100 meters

C. 200 meters

D. 500 meters

Answer: B

7. Which of the following wires of a cable are used for transmitting or receiving data on a 10/100Base-T network?

A. 1, 2, 3, and 4

B. 1, 2, 3, and 6

C. 1, 2, 8, and 8

D. 5, 6, 7, and 8

Answer: B

8. A client has a 100 watt stereo receiver. The client has purchased speakers rated at 200 watts. The receiver keeps shutting off, and the distortion is high.

Which of the following is the best explanation?

A. The speakers need more power than 100 watts.

B. The strands of wire are touching.

- C. The speaker cable is the wrong gauge.
- D. The protective fuses in the receiver are too weak.

Answer: B

9. Which of the following use high-frequency sound?

- A. Occupancy sensors
- B. Ultrasonic sensors
- C. Photosensors
- D. Passive Infrared (PIR) sensors

Answer: B

10. Which of the following is a type of coaxial cable used in television and satellite installations?

- A. RG-6
- B. RG-58
- C. RJ-11
- D. RJ-45

Answer: A

11. Which of the following TCP/IP protocols is used to manage the assignment of IP addresses?

- A. Domain name service (DNS)
- B. Network address translation (NAT)
- C. Dynamic host configuration protocol (DHCP)
- D. Simple network management protocol (SNMP)

Answer: C

12. A client requests to have two sub-woofers installed to create stereo effect.

Which of the following statements is the best response a technician can make?

- A. Two sub-woofers would produce too much bass.
- B. Another amp is required to power the second sub-woofer.
- C. Two sub-woofers are unnecessary and would cost too much.

D. The sub-woofer's sound is too low to have an effect on stereo imaging.

Answer: C

13. How many B channels are included in an integrated services digital network (ISDN) BRI?

A. 1

B. 2

C. 4

D. 23

Answer: B

14. An individual has connected a turntable to a stereo receiver. When a record is played, the system emits a loud hum.

Which of the following is the most likely cause of this problem?

A. The cartridge needs to be replaced.

B. The speakers are too close together.

C. The turntable is plugged into an auxiliary port.

D. The ground wire on the turntable is disconnected.

Answer: D

15. The wiring scheme for data cables terminated in a home is:

A. 568A

B. 568B

C. RS422

D. RS485

Answer: A

16. The technician is onsite to install a security camera system and has successfully configured the camera and video monitor. The customer has a request to attach the camera to the customer's television. Which of the following devices would the technician need to install to connect the security camera to the television?

A. Splitter

- B. Coupler
- C. BALUN
- D. High pass filter

Answer: B

17. Which of the following organizations sets standards for heating, ventilation, and air conditioning in the United States?

- A. IEEE
- B. NAHB
- C. IALD
- D. ASHRAE

Answer: B

18. Which of the following types of network cables can support a maximum segment length of 2,000 meters?

- A. Fiber optic
- B. Thin coaxial
- C. Unshielded twisted pair
- D. Thick coaxial

Answer: A

19. There are two-four pair cables run from the auxiliary disconnect outlet to the network interface device. The homeowner orders a fifth line.

The color-pair of the fifth line is:

- A. orange - white/orange
- B. blue - white/blue
- C. slate - white/slate
- D. green - white/green

Answer: C

20. Which of the following types of sensors are the most commonly used, both inside and outside of the home, and detect the presence of humans based on emitted radiation?

- A. Passive Infrared (PIR) sensors
- B. Ultrasonic sensors
- C. Microwave sensors
- D. Charged Coupled Device (CCD) sensors

Answer: A