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**Exam** : **HT0-201**

**Title** : **CEA-CompTIA DHTI+ Exam**

**Version** : **Demo**

1. An optical cable is used to transmit:

- A. digital audio from a component to a receiver.
- B. analog video from a component to a receiver.
- C. analog audio from a component to a receiver.
- D. digital video from a component to a receiver.

Answer:A

2. Which of the following video outputs from a media PC provide the BEST picture quality, when connecting the media PC to a projector?

- A. SVGA
- B. VGA
- C. S-Video
- D. DVI

Answer: D

3. Which of the following communication methods will provide the maximum bandwidth for video streaming through a media extender?

- A. 100BaseT Ethernet
- B. 802.11g
- C. Z-Wave
- D. Bluetooth

Answer:A

4. RG-6 coaxial cable is typically used in all of the following applications:

- A. multi-room audio, telephone, intercom and temperature control.
- B. thermostat, CCTV, smoke detectors and keypads.
- C. home theater, lighting control and multi-room audio.
- D. video, digital cable, and satellite applications.

Answer: D

5. Which of the following BEST describes CAT5e?

- A. Contains four pair of wires of various gauge
- B. Contains two wires in a red fireproof jacket
- C. Contains four twisted pairs of wires
- D. Contains eight wires within a thick jacket with a rip cord

Answer: C

6. When configuring surround sound systems, speaker delay is used to compensate for speaker:

- A. distance.
- B. power.
- C. size.
- D. efficiency.

Answer:A

7. According to Ohm's Law, which of the following is correct?

- A. As voltage increases, resistance decreases
- B. As amperage decreases, resistance decreases
- C. As resistance decreases, amperage increases
- D. As resistance increases, voltage increases

Answer: C

8. Each time the distance from the speaker is doubled, volume decreases by:

- A. 3dB.
- B. 6dB.
- C. 12dB.
- D. 24dB.

Answer: B

9. The native resolution for 1080i is:

- A. 1920 x 1280.

B. 1920 x 1080.

C. 1280 x 1080.

D. 1280 x 720.

Answer: B

10. Which of the following is the primary purpose of impedance matched volume control?

A. Maintains proper speaker phase

B. Protects the amplifier from damage

C. Protects the digital systems from damage

D. Amplifies the speaker signal

Answer: B

11. Which of the following is a diplexer used for?

A. Allows two satellite tuners to use the same dish.

B. Connects the low noise block down converter (LNB) to the multi-switch.

C. Combines satellite and over the air (OTA) signals.

D. Allows one LNB to use two satellites.

Answer: C

12. When integrating a media server into a home theater, which of the following terms BEST describes the technology used to protect the interest of copyright holders (e.g. multimedia content)?

A. Digital Rights Management (DRM)

B. MPEG Layer-3 (MP3)

C. Internet Key Exchange (IKE)

D. Content Management System (CMS)

Answer:A

13. Which of the following can cause ghosting in a video image?

A. Bent pin on an S-Video cable

B. Mislabeled component cables

C. Defective HDMI cable

D. Improperly terminated coax cable

Answer: D

14. Which of the following would be the impedance of an 8 ohm and a 4 ohm speaker that are wired in parallel?

A. 2.66 ohms

B. Less than 1 ohm C. 4 ohms

D. 12 ohms

Answer:A

15. Which of the following is the standard aspect ratio for HDTV?

A. 2.35:1

B. 4:3

C. 1.33:1

D. 1.78:1

Answer: D

16. Which of the following is the correct signal flow for an analog multi-room audio system?

A. Source, Volume Control, Speaker, Amp

B. Source, Amp, Volume Control, Speaker

C. Amp, Source, Volume Control, Speaker

D. Speaker, Amp, Volume Control, Source

Answer: B

17. Which of the following cabling would be MOST commonly used with digital volume controls?

A. Unshielded twisted pair

B. RJ-59

C. 16/4 solid conductors

D. Speaker Wire

Answer:A

18. If the speakers in an installation are out of phase, this means that:

- A. the subwoofer is at the wrong angle.
- B. the front and rear speakers are reversed.
- C. the polarity of the speakers are reversed.
- D. the angle of the speakers are incorrect.

Answer: C

19. Which of the following is the recommended placement of the rear surround speakers in a 5.1 surround installation?

- A. Directly to the left and right and slightly in front of the listener
- B. Directly to the left and right and slightly behind the listener
- C. Above and behind the listener
- D. Directly behind the listener

Answer: B

20. Wires that are installed in air returns above a ceiling must be:

- A. fire proof.
- B. fiberglass coated.
- C. plenum rated.
- D. teflon coated.

Answer: C

21. Which of the following does an astronomical time clock do?

- A. Determines the ambient light at night with a photocell.
- B. Calculates sunset and sunrise times based on geographical area.
- C. Determines the start and end of each of the seasons.

D. Synchronizes the local time displayed with the official world time.

Answer: B

22. When installing a security system, which of the following connectors would be used to connect the security system to the telephone service demarcation?

A. RJ-31x

B. RJ-11

C. RS-232

D. DB-9

Answer:A

23. A customer notifies the integrator that the system keypad reports trouble at a window. Upon inspection, the customer finds the window closed and locked; the customer resets the system and it fails to correct the issue. Which of the following steps should the integrator take to resolve the issue?

A. Check that the sensor is not misaligned.

B. Clean the space between the sensor and the plate.

C. Toggle the tamper switch to reset the sensor.

D. Bypass the zone.

Answer:A

24. Which of the following is MOST likely causing an intermittent flashing LED on an IR receiver when the remote control is not being used?

A. The power supply is faulty and should be replaced.

B. The heat from a heating, ventilation, and air conditioning (HVAC) register is being received as infrared noise.

C. The radio frequency interference (RFI) is being received as noise.

D. A plasma display is emitting infrared noise.

Answer: D

25. Which of the following is a RF peer to peer mesh protocol used for lighting and other residential electronics?

A. Z-Wave



B. X10

C. CEBus

D. Wi-Fi

Answer:A

26. Which of the following determines if the alarm should sound or an entry delay should start?

A. The sensor itself

B. The way the zones are wired

C. The zone type

D. The digital dialer

Answer: C

27. Which of the following is the correct wiring order for an RJ-11 two line jack?

A. Black, Green, Red, Yellow

B. Black, Red, Green, Yellow

C. Red, Black, Green, Yellow D. Yellow, Red, Green, Black

Answer: B

28. Small in-ceiling speakers are BEST suited for:

A. loud, bass intensive music (e.g. heavy metal, rock).

B. providing a sub-woofer for great bass reproduction.

C. background music and blending in with decor.

D. the user who wants perfect sound reproduction.

Answer: C

29. When certifying a CAT5 cable installation the integrator must perform which of the following tests?

A. Measure Impedance

B. Calculate Latency

C. Measure Attenuation

D. Measure Resistance

Answer: C

30. When installing cables, which of the following is the BEST way of identifying the individual cables?

A. A cable chart mounted in the cabinet

B. A label at the tip of the cable

C. A label within six inches at each end of the cable

D. A penciled notation on the panel cover

Answer: C