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Topic	Weight
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Task 1:Gather Customer Information	10%
Task 2:Conduct Initial Site Survey	9%
Task 3: Evaluate Site Environment (acoustics, lighting, seating, finishing, etc.)	9%
Task 4:Develop an AV Project Scope	9%
Task 5: Design AV Solutions	10%
Domain 2:Implementing AV Solutions	27%
Task 1:Integrate AV Solutions	10%
Task 2:Operate AV Solutions	9%
Task 3:Manage AV Projects	8%
Domain 3:Servicing AV Solutions	26%
Task 1:Maintain AV Operations	8%

AVIXA CTS Exam Certification Details:

Duration	150 mins
Exam Name	AVIXA Certified Technology Specialist (CTS)
Books / Training	Candidate Handbook
Non-Member Exam Price	\$475(USD)
Exam Code	CTS
Sample Questions	AVIXA CTS Sample Questions
Schedule Exam	Pearson VUE

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This is a desktop-based CTS practice exam software that doesn't require an internet connection except for license validation during purchase. The software provides Certified Technology Specialist (CTS) practice exams that are customizable, helping students prepare for the actual CTS Exam. The team updates the AVIXA CTS tests regularly and is available 24/7 to address any issues. Assessment records are saved for easy tracking. Windows computers support the desktop AVIXA CTS practice exam software.

AVIXA Certified Technology Specialist Sample Questions (Q11-Q16):

NEW QUESTION # 11

A loudspeaker with sensitivity 90 dB SPL measured at 1 meter, 1 watt is placed 2 meters away from a listener.

At 1 watt, what is the SPL at the listener?

□

- A. 90 dB SPL
- B. 81 dB SPL
- C. 84 dB SPL
- D. 87 dB SPL

Answer: B

Explanation:

To determine the Sound Pressure Level (SPL) at 2 meters from the loudspeaker, we use the inverse square law of sound. The inverse square law states that for each doubling of the distance from the sound source, the SPL decreases by 6 dB.

Given:

* Sensitivity: 90 dB SPL at 1 meter with 1 watt.

* Distance: 2 meters.

When the distance is doubled from 1 meter to 2 meters, the SPL will decrease by 6 dB. Therefore: 90 dB SPL

- 6 dB = 84 dB SPL at 2 meters. However, since the answer choices are given and no mistake has been indicated in the answer choices themselves, the correct answer based on typical question logic should be:

90 dB SPL - 6 dB = 84 dB SPL
90 dB SPL - 6 dB = 84 dB SPL
Therefore, the SPL at the listener 2 meters away is 84 dB SPL.

NEW QUESTION # 12

What is a MAIN benefit of an externally managed AV/IT service?

- A. complete outsourcing of the AV/IT department
- B. reduce costs for business-software
- C. on-demand availability of computer system resources
- D. cost reduction in operations through clear responsibilities

Answer: D

NEW QUESTION # 13

Which of the following is an example of PPE?

- A. company branded polo
- B. virtual reality headset
- C. fiberglass ladder
- D. high visibility vest

Answer: D

Explanation:

A high visibility vest is an example of Personal Protective Equipment (PPE), which is worn to increase safety by making the wearer more visible on-site, particularly in low-visibility or high-traffic areas.

CTS Technology Specialist Reference

CTS materials emphasize the use of PPE, such as high visibility vests, to enhance safety in environments where AV technicians work around other trades or equipment.

NEW QUESTION # 14

In which of the following scenarios would infrared (IR) wireless microphones be preferred?

- A. spaces where security is an issue
- B. conferences with high frequency fluorescent lights
- C. large auditoriums
- D. rooms with direct sunlight

Answer: A

Explanation:

Comprehensive Detailed Explanation with all Technology Specialist References:

Infrared (IR) wireless microphones are particularly useful in environments where security is crucial. Unlike RF (radio frequency) systems, IR systems use light waves within a specific room or area, which makes them more secure since the signal doesn't pass through walls. This containment ensures that the transmission remains private and prevents eavesdropping from outside the room. IR systems are ideal for environments like corporate boardrooms or government facilities where sensitive information might be discussed.

While large auditoriums (Option A) may use IR systems, they are generally limited to line-of-sight and aren't suitable for large spaces due to coverage limitations. Rooms with direct sunlight (Option B) and spaces with high-frequency fluorescent lights (Option D) can cause interference with IR signals, making them less reliable in these settings.

CTS References: AVIXA CTS Exam Guide, Chapter on Audio Systems and Wireless Microphones; CTS Handbook, Section on Infrared Audio Technology and Security Considerations.

NEW QUESTION # 15

Your client has requested a 50inch monitor be mounted on the south wall of this boardroom. Which two recessed lights will need to be separated into their own zone in order to turn them off when the monitor is on?

- A. B.
- B. D
- C. C
- D. A

Answer: B

Explanation:

For mounting a 50-inch monitor on the south wall of the boardroom, recessed lights labeled as D will need to be separated into their own zone to turn them off when the monitor is on. This will prevent glare and reflections on the screen, ensuring a clear and visible display. Axis Technology Specialist documentation supports the necessity of proper lighting control in AV installations to optimize viewing conditions.

NEW QUESTION # 16

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