

Valid CTS Mock Exam, CTS Detail Explanation

Appendix A: CTS Exam Content Outline

The AVIXA CTS job description as established by the Job Task Analysis is as follows:

A Certified Technology Specialist performs general audiovisual tasks by creating, implementing, supporting, and servicing audiovisual solutions that meet the client's needs.

The CTS exam specifications were developed by combining the importance, criticality, and frequency data obtained from the Job Task Analysis study conducted in 2022. The resulting data were converted to percentages and the percentages were used to determine the number of questions related to each domain and task that should appear on the multiple-choice CTS examination. The test specifications in the table below list how many questions are included in each Domain and Task and the percentage of the test included in each domain. The Job Task Analysis Final Report can be downloaded at www.avixa.org/cts under "CTS Resources".

Duties and Tasks	% of Exam	# of Items
Duty A: Creating AV Solutions	35%	35
Task 1: Conduct A Customer Needs Analysis	7%	7
Task 2: Conduct Site Survey (e.g., lighting, access, acoustics, seating, finishing, architectural features, dimensions, logistical constraints)	9%	9
Task 3: Develop an AV Project Scope (e.g., AV solution, components)	9%	9
Task 4: Design AV Solutions (e.g., drawings, program report, bill of materials)	10%	10
Duty B: Implementing AV Solutions	30%	30
Task 1: Integrate AV Solution (e.g., systems verification, supply installation)	15%	15
Task 2: Managing AV Integration (e.g., training, schematics, warranties, operations manual, as-built drawings)	15%	15
Duty C: Supporting AV System Operation	15%	15
Task 1: Provide AV Support (e.g., troubleshoot, remote assistance, live event support, in-room operation, training)	15%	15
Duty D: Servicing AV Solutions	20%	20
Task 1: Supervise AV Operations	4%	4
Task 2: Conduct Maintenance Activities (e.g., preventative maintenance, firmware upgrades, equipment upgrades)	8%	8
Task 3: Troubleshoot and Repair AV Solutions (e.g., analog vs digital, break/fix)	8%	8
Total	100%	100

For a detailed breakdown of the knowledge and skills for each job task, please see the full Job Task Analysis available on the CTS Exam Resource page of AVIXA's website at www.avixa.org/cts

NOTE: Applicants and stakeholders should download the most up-to-date free edition of the CTS Candidate Handbook that may include important policy and procedure updates by going to the AVIXA website at www.avixa.org. Date of this version is 11/13/23.

What's more, part of that TestValid CTS dumps now are free: https://drive.google.com/open?id=1e8IAEJJKIG5IEXzn_4eO_vWbuDNXo2Oo

Our CTS prep material target all users and any learners, regardless of their age, gender and education background. We provide 3 versions of our CTS learning prep for the clients to choose based on the consideration that all the users can choose the most suitable version to learn. The 3 versions each support different using method and equipment and the client can use the CTS Exam study materials on the smart phones, laptops or the tablet computers. The clients can choose the version of our CTS exam questions which supports their equipment on their hands to learn.

AVIXA CTS Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> Implementing AV Solutions: This section of the exam measures the skills of AV system integrators and focuses on the implementation of AV solutions. It involves integrating AV systems, verifying their functionality, and managing the integration process, including training, documentation, and ensuring operational readiness.
Topic 2	<ul style="list-style-type: none"> Servicing AV Solutions: This section of the exam measures the skills of AV maintenance managers and focuses on the maintenance and repair of AV solutions. It involves supervising AV operations, conducting preventative maintenance, performing firmware and equipment upgrades, and troubleshooting and repairing AV systems to ensure they remain functional and efficient.

Topic 3	<ul style="list-style-type: none"> • Creating AV Solutions: This section of the exam measures the skills of AV system designers and covers the process of creating audiovisual solutions. It includes conducting customer needs analysis, performing site surveys to assess environmental factors like lighting and acoustics, developing project scopes, and designing AV solutions with detailed drawings and materials lists.
Topic 4	<ul style="list-style-type: none"> • Supporting AV System Operation: This section of the exam measures the skills of AV support specialists and covers the ongoing support of AV systems. It includes troubleshooting issues, providing remote assistance, supporting live events, and offering in-room operation training to ensure smooth system operation.

AVIXA CTS Exam Certification Details:

Schedule Exam	Pearson VUE
MemberExam Price	\$375(USD)
Books / Training	Candidate Handbook
Number of Questions	110
Duration	150 mins
Exam Name	AVIXA Certified Technology Specialist (CTS)

>> Valid CTS Mock Exam <<

CTS Detail Explanation & CTS Latest Dumps Ebook

TestValid provides Certified Technology Specialist (CTS) practice tests (desktop and web-based) to its valuable customers so they get the awareness of the Certified Technology Specialist (CTS) certification exam format. Likewise, Certified Technology Specialist (CTS) exam preparation materials for Certified Technology Specialist (CTS) exam can be downloaded instantly after you make your purchase.

AVIXA Certified Technology Specialist Sample Questions (Q78-Q83):

NEW QUESTION # 78

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

Explanation:

The main benefit of an externally managed AV/IT service is the cost reduction in operations through clear responsibilities. Externally managed services can streamline operations by clearly defining the roles and responsibilities of the service provider, which leads to more efficient management and utilization of resources.

This approach can also provide specialized expertise and support, reducing the need for in-house staff and lowering overall operational costs.

Reference: Axis Communications and industry best practices highlight the importance of operational efficiency and cost savings through managed services. This is detailed in various managed service provider (MSP) agreements and guidelines.

NEW QUESTION # 79

One MAIN benefit of multicast over unicast in a network AV solution is it

- A. supports higher video resolutions.

- B. supports multi-channel audio.
- C. reduces network bandwidth when using multiple encoders.
- D. reduces network bandwidth when using multiple decoders.

Answer: D

Explanation:

Multicast transmission in a network AV solution significantly reduces network bandwidth when using multiple decoders. With multicast, a single stream of data is sent from the source and is then distributed to multiple recipients by the network infrastructure. This contrasts with unicast, where a separate stream is sent to each recipient, leading to higher bandwidth consumption. Multicast is particularly efficient in scenarios where the same content needs to be delivered to multiple devices, such as digital signage or IPTV.

NEW QUESTION # 80

As a project manager, daily or weekly updates from the ____ are MOST USEFUL when trying to make sure a job comes in on time and on budget.

- A. customer
- B. consultant
- C. installer
- D. employer

Answer: C

Explanation:

Installers are directly involved with on-site activities and provide essential updates on daily progress, issues, and requirements. Regular updates from installers enable project managers to monitor timelines, resource allocation, and budget considerations more effectively.

CTS Technology Specialist Reference CTS guidelines highlight the importance of regular communication with installers for tracking project progress, as they are most familiar with day-to-day developments and challenges.

NEW QUESTION # 81

Ambient noise PRIMARILY affects desired sound by

- A. complementing it.
- B. enhancing it.
- C. canceling it out.
- D. interfering with it.

Answer: D

Explanation:

Comprehensive Detailed Explanation with all Technology Specialist References:

Ambient noise is any unwanted background sound that can interfere with the clarity and intelligibility of the desired audio signal. In an AV setting, ambient noise can reduce speech intelligibility, making it harder for the audience to understand the speaker or experience the audio as intended.

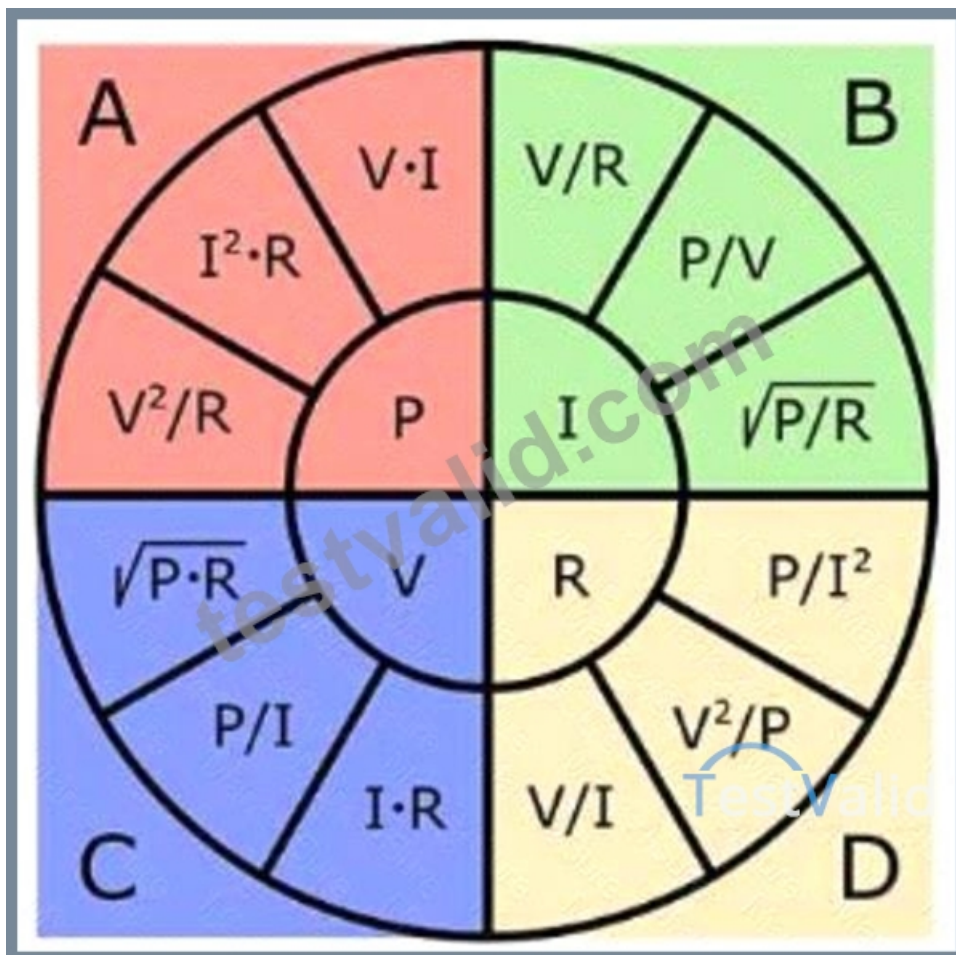
Option B, "canceling it out," would refer to techniques like active noise cancellation, which isn't the primary effect of ambient noise on sound but rather a solution to it. Options A and D, "enhancing" and

"complementing," are not applicable because ambient noise typically detracts from audio quality rather than adding to it.

CTS References: AVIXA CTS Exam Guide, Chapter on Audio Basics and Acoustics; CTS Handbook, Section on Acoustic Principles and Noise Management in AV Systems.

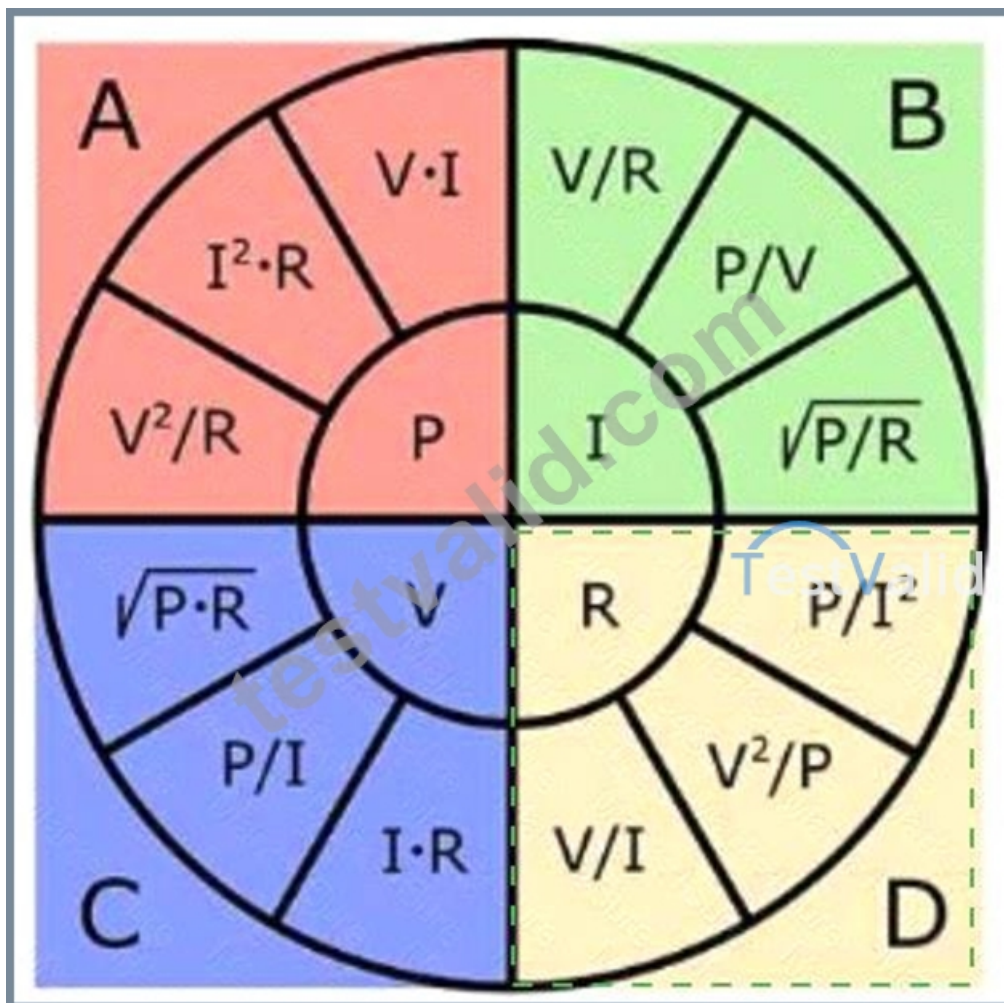
NEW QUESTION # 82

Which section of the Ohm's Law chart should be used to calculate values expressed in Ohms? Select the answer by clicking anywhere within the correct quadrant.



Answer:

Explanation:



Explanation:

Ohm's Law is a fundamental principle used in electrical engineering and physics to describe the relationship between voltage (V), current (I), resistance (R), and power (P). The Ohm's Law chart is divided into four quadrants, each representing different formulas and relationships among these quantities.

To calculate values expressed in Ohms (which represent resistance, R), you should use Quadrant D. This quadrant contains formulas that solve for resistance (R), using various combinations of voltage (V), current (I), and power (P):

$$* R = V / I \quad * R = V^2 / P$$

$$* R = P / I^2$$

2025 Latest TestValid CTS PDF Dumps and CTS Exam Engine Free Share: https://drive.google.com/open?id=1e8IAEJJkIG5lEXzn_4eO_vWbuDNXo2Oo