

# **Avixa**

## **CTS Exam**

**Certified Technology Specialist**

**Questions & Answers  
Demo**

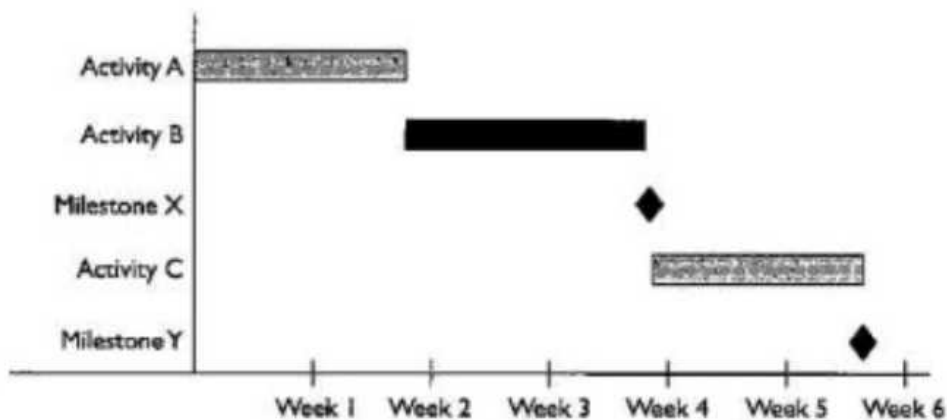
## Version: 4.1

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### Question: 1

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Refer to the exhibit.



According to the Gantt chart pictured, the Project Manager should wait to start Activity C until which predecessor has been reached?

- A. Week 3
- B. Week 4
- C. Activity B
- D. Milestone X

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**Answer: D**

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Explanation:

In the provided Gantt chart, Activity C is scheduled to start after the completion of Milestone X. This is evident as the milestone symbol (diamond) for Milestone X appears right before the beginning of Activity C, indicating that Activity C is dependent on the completion of Milestone X.

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### Question: 2

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As part of a service agreement offering, wfwf PRIMARY role do preventive maintenance visits (PM/PMV) play?

- A. allows the AV provider to clean, service and assess equipment In the field on a regular basis
- B. allows the AV provider to check in with customer and serves as an opportunity to sell further

solutions

- C. allows the AV provider to sell a service that is often forgotten by the customer, and therefore generate greater profit
- D. allows the AV provider access to client premises and scope future work

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**Answer: A**

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Explanation:

Preventive maintenance visits (PM/PMV) are primarily designed to ensure that equipment is functioning correctly and to prevent potential failures. This involves cleaning, servicing, and assessing the equipment regularly to maintain optimal performance and longevity. This is in line with industry standards for preventive maintenance, ensuring reliability and reducing downtime.

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**Question: 3**

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Which frequencies are amplified by a subwoofer?

- A. lowest
- B. mid-low
- C. mid-high
- D. highest

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**Answer: A**

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Explanation:

Subwoofers are designed to amplify the lowest frequencies, typically ranging from about 20 Hz to 200 Hz. These low-frequency sounds are crucial for producing deep bass tones in audio systems, enhancing the overall listening experience by providing a richer and fuller sound.

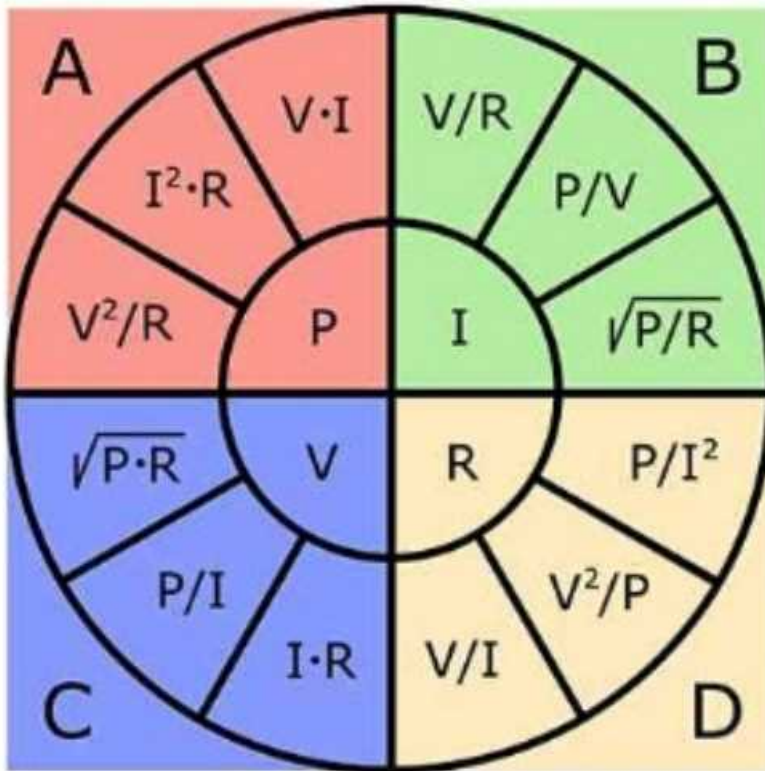
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**Question: 4**

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HOTSPOT

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.




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**Answer:**

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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):

$$R = V/I = \frac{V}{I} \quad R = IV$$

$$R = \frac{V^2}{P} \quad R = \frac{P}{V^2}$$

$$R = \frac{P}{I^2} \quad R = \frac{I^2}{P}$$

These formulas are derived from Ohm's Law and the power equations, providing different ways to calculate resistance based on the available information.

Reference:

Ohm's Law: Explains the relationship between voltage, current, and resistance.

Power Formulas: Derived from the basic Ohm's Law equations and used to relate power with resistance, voltage, and current.

To further verify and detail the usage of Ohm's Law chart, you can refer to Axis Technology Specialist documentation or any standard electrical engineering textbooks which provide detailed explanations of these formulas and their applications.

Top of Form

Bottom of Form

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**Question: 5**

When doing a site survey, it is MOST IMPORTANT to consider the client's

- A. budget.
- B. timeline.
- C. expectations.
- D. knowledge of technology.

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**Answer: C**

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Explanation:

When conducting a site survey, understanding and considering the client's expectations is paramount. This involves determining what the client hopes to achieve with the installation, their specific requirements, and any particular preferences they may have. By aligning the survey with the client's expectations, the surveyor can ensure that the final installation meets or exceeds the client's needs and satisfaction. This principle is well-documented in project management and client relations literature, emphasizing the importance of clear communication and understanding of client objectives at the onset of a project.

Reference:

Axis Communications - Site Survey Guidelines  
Project Management Institute (PMI) Standards

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