

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Technician A says that crossovers are used to block certain frequencies to allow each type of speaker to perform its job better. Technician B says that a high-pass filter is used to block high-frequency sounds being sent to large woofer speakers, and a low-pass filter blocks low-frequency sounds being sent to tweeters. Which technician is correct? 1) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 2) An antenna lead-in wire should have how many ohms of resistance between the center terminal and the grounded outer covering? 2) _____
- A) Less than 5 ohms
 - B) 5-50 ohms
 - C) 300-500 ohms
 - D) Infinity (OL)
- 3) A voice recognition system can use spoken words or phrases to control all of these EXCEPT _____. 3) _____
- A) navigation system
 - B) radio
 - C) climate control
 - D) cruise control
- 4) Technician A says that radios receive AM and FM signals that are broadcast through the air. Technician B says that the radio antenna is used to induce a very large voltage signal as an input into the radio from the electromagnetic energy from the broadcast station. Which technician is correct? 4) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 5) Which of these is a term used to describe when information is added to a constant frequency? 5) _____
- A) Carrier wave
 - B) Frequency
 - C) Period
 - D) Modulation

- 6) An aftermarket satellite radio has poor reception. Technician A says that a lack of a proper ground plane on the antenna could be the cause. Technician B says that mountains or tall buildings can interfere with reception. Which technician is correct? 6) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 7) 100,000 μ F means _____. 7) _____
- A) 0.10 farad
 - B) 0.01 farad
 - C) 0.001 farad
 - D) 0.0001 farad
- 8) If two 4-ohm speakers are connected in parallel, meaning positive (+) to positive (+) and negative (-) to negative (-), the total impedance will be _____. 8) _____
- A) 8
 - B) 6
 - C) 2
 - D) 1
- 9) All of these can cause radio interference, EXCEPT _____. 9) _____
- A) defective alternator
 - B) fault in the ignition system
 - C) loose ground wire
 - D) open in the radio power circuit
- 10) Which of these is required for XM radio reception? 10) _____
- A) A special antenna
 - B) A paid subscription
 - C) Both A and B
 - D) Either A or B

Answer Key

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1) A

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2) D

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3) D

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4) A

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5) D

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6) C

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7) A

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8) C

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9) D

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10) C

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