

Name _____

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

- 1) Technician A says that radios receive AM and FM signals that are broadcast through the air. 1) _____
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. Who is right?
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 2) All of these can cause radio interference, EXCEPT _____. 2) _____
A) defective alternator
B) fault in the ignition system
C) loose ground wire
D) open in the radio power circuit

- 3) The voice recognition system microphone is usually located near the glove box door. 3) _____
A) True
B) False

- 4) The number of times a particular waveform repeats itself in a given amount of time (frequency) 4) _____
is measured in _____.
A) Hertz
B) Coulombs
C) Ersteads
D) Watts

- 5) The satellite radio antenna can be mounted on a fiberglass or composite spoiler. 5) _____
A) True
B) False

- 6) 100,000 μF means _____. 6) _____
A) 0.10 farad
B) 0.01 farad
C) 0.001 farad
D) 0.0001 farad

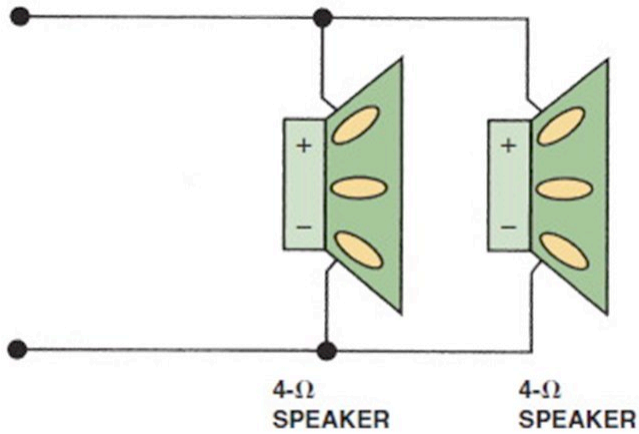
- 7) If two 4 ohm speakers are connected in series, meaning the positive (+) of one speaker is 7) _____
connected to the negative (-) of the other speaker, the total impedance will be _____.
A) 8 ohms
B) 6 ohms
C) 4 ohms
D) 2 ohms

8) More than one signal can be carried by a radio wave using a process called _____.
A) sideband operation
B) frontband operation
C) frequency modulation
D) amplitude modulation

8) _____

9) These speakers have a combined impedance of _____.

9) _____



- A) 2 ohms
- B) 8 ohms
- C) 12 ohms
- D) 16 ohms

10) A Bluetooth signal can typically travel _____.

10) _____

- A) 33 feet
- B) 10 meters
- C) 10 feet
- D) both A and B