Automotive Technology 7th Edition
Chapter 59
Multiple Choice Quiz B

Name: _____ Date: _____

1. What is modulation in the context of radio frequency?
A. The process of adding information to a constant frequency.
B. The variation of wave amplitude.
C. The number of cycles per second.
D. The distance between two consecutive wave points.

2. Which of the following is NOT a type of modulation mentioned in the chapter?
A. Amplitude modulation (AM)
B. Wave modulation (WM)
C. Frequency modulation (FM)
D. Sound modulation (SM)

3. What does AM in radio waves stand for?
A. Audio Modulation
B. Amplitude Modulation
C. Analog Modulation
D. Alternate Modulation

4. Which type of modulation changes the number of cycles per second to carry information?
A. FM
B. AM
C. WM
D. SM

5. What process allows a radio wave to carry more than one signal?
A. Frequency hopping
B. Wave splitting
C. Sideband operation
D. Modulation splitting

6. What is the signal above the assigned frequency referred to as?
A. Lower sideband
B. Upper frequency
C. Upper sideband
D. High-frequency band

7. Which energy type affects audio systems?
A. Thermal energy
B. Electromagnetic energy
C. Kinetic energy
D. Potential energy

8. At what speed do radio waves travel?
A. Half the speed of light
B. Twice the speed of light
C. Approximately the speed of light
D. Variable speeds depending on frequency

9. What is the term for the number of times a particular waveform repeats itself in a given amount of time?
A. Modulation
B. Amplitude
C. Frequency
D. Wavelength

10. Which of the following is NOT an input/output for receivers?
A. Power
B. Serial data
C. Antenna input
D. Frequency modulator

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Answer Key

1. A

2. B

3. B

4. A

5. C

6. C

7. B

8. C

9. C

10. D