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1. Modulation is done in

1. Transmitter
2. Radio receiver
3. Between transmitter and radio receiver
4. None of the above

Answer : 1

2. In a transmitter oscillator is used

1. Hartley
2. RC phase-shift
3. Wien-bridge
4. Crystal

Answer : 4

3. In India, modulation is used for radio transmission

1. Frequency
2. Amplitude
3. Phase
4. None of the above

Answer : 2

4. In an AM wave useful power is carrier by

1. Carrier
2. Sidebands
3. Both sidebands and carrier
4. None of the above

Answer : 2

5. In amplitude modulation, bandwidth is the audio signal frequency

1. Thrice
2. Four times
3. Twice
4. None of the above

Answer : 3

6. In amplitude modulation, the of carrier is varied according to the strength of the signal.

Amplitude

Frequency

Phase

None of the above

Answer : 1

7. Overmodulation (amplitude) occurs when signal amplitude is carrier amplitude

Equal to

Greater than

Less than

None of the above

Answer : 2

8. In an AM wave, the majority of the power is in

Lower sideband

Upper sideband

Carrier
None of the above
Answer : 3

9. At 100% modulation, the power in each sideband is of that of carrier

50%
40%
60%
25%
Answer : 4

10. Overmodulation results in

Weakening of the signal
Excessive carrier power
Distortion
None of the above
Answer : 3