

## Class 12 Physics Chapter 15 Communication System MCQs

**1. What purpose does the transducer serve?**

- (a) It converts sound signal to electrical signal
- (b) It converts the electrical signal to a sound signal
- (c) It converts electrical signals to magnetic form
- (d) It converts sound signal to magnetic signal

**2. Which of the following is a drawback of the amplitude modulation?**

- (a) Noise Reception
- (b) Low Efficiency
- (c) Low Operating range
- (d) All of the above

**3. Why audio signals cannot be transmitted?**

- (a) Because it has more noise
- (b) The length of the transmitting antenna is very small
- (c) The length of the transmitting antenna is very large
- (d) The signal cannot be amplified for distance communication

**4. What happens to the satellite speed when the height of the satellite orbit gets lower?**

- (a) Increases
- (b) Decreases
- (c) Remains same
- (d) Both (a) and (b)

**5. What happens when the frequency deviation is doubled in FM?**

- (a) Modulation is doubled
- (b) Modulation is halved
- (c) Carrier swing is halved
- (d) The modulation index is decreased

**6. What happens if the transmission path in PCM is very long?**

- (a) Pulse amplitude is increased
- (b) Pulse spacing is reduced
- (c) Pulse width is increased
- (d) Repeater stations are used

**7. Television signals are**

- (a) Amplitude modulated
- (b) Frequency modulated
- (c) Phase modulated
- (d) Both frequency and amplitude modulated

**8. What happens when the radio wave reaches the ionising medium?**

- (a) Will bend towards normal
- (b) Will bend away from the normal
- (c) Will follow a straight path
- (d) None of these

**9. The summation of three sinusoidal waves is equal to**

- (a) AM Waves
- (b) FM Waves
- (c) Both (a) and (b)
- (d) Neither (a) nor (b)

**10. The space waves that are seriously affected by the atmospheric conditions are known as:**

- (a) VHF
- (b) HUF
- (c) MF
- (d) UHF

**\*\*\*\*\* Answer Key \*\*\*\*\***

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|-------|-------|-------|-------|--------|
| 1-(b) | 2-(d) | 3-(c) | 4-(b) | 5-(a)  |
| 6-(d) | 7-(d) | 8-(a) | 9-(a) | 10-(d) |