

By OnlineInterviewQuestions.com

Modulation and Demodulation MCQ Test

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Below is the **Modulation and Demodulation MCQ** test that checks your basic knowledge of Modulation and Demodulation. This **Modulation and Demodulation MCQ Test** contains 20 Multiple Choice Questions. You have to select the right answer to the question. Finally, you can also take the Online Quiz from the Take **Modulation and Demodulation Quiz** Button.

Q1. What is modulation?

- **A. Modulation is the process of transmitting data information in coded form, over a carrier.**
- B. Modulation is the process of extracting data information in decoded form, over a carrier.
- C. Both A and B
- D. All of the above

Q2. Modulation is done in ____.

- **A. Transmitter**
- B. Radio receiver
- C. Between transmitter and radio receiver
- D. None of the above

Q3. What do you mean by demodulation?

- A. Demodulation is the process of transmitting data information in the decoded form, over a carrier.
- **B. Demodulation is the process of extracting data information in the decoded form, over a carrier.**
- C. Both A and B
- D. None of the above

Q4. The process of Modulation is done by the ____.

- **A. Modulator**

- B. Demodulator
- C. Translator
- D. All of the above

Q5. A _____ is an electronic circuit (or computer program in a software-defined radio) that is used to recover the information content from the modulated carrier wave.

- **A. Demodulator**
- B. Modulator
- C. Translator
- D. All of the above

Q6. Which of the following is used for Modulation and Demodulation?

- **A. Modem**
- B. Gateway
- C. Protocols
- D. Multiplexer

Q7. Superhertodyne principle refers to:

- A. Using a large number of amplifier stages
- B. Using a push-pull circuit
- **C. Obtaining lower fixed intermediate frequency**
- D. None of the above

Q8. What do you know about Modem?

- **A. The Modem is an electronic device that is used for data transposition between two ends.**
- B. TV
- C. Phonenumber
- D. The Modem is used for displaying data.

Q9. Overmodulation (amplitude) occurs when signal amplitude is _____ carrier amplitude.

- A. equal to
- **B. greater than**
- C. less than
- D. None of the above

Q10. In India, _____ modulation is used for radio transmission.

- A. Frequency
- **B. Amplitude**
- C. Phase
- D. All of the above

Q11. In a radio receiver, noise is generally developed at ____.

- A. IF stage
- **B. Receiving antenna**
- C. Audio stage
- **D. RF stage**

Q12. In TV transmission, sound signal is _____ modulated.

- A. Amplitude
- **B. Frequency**
- C. Phase
- D. None of the above

Q13. A high Q tuned circuit will permit an amplifier to have high ____.

- A. Fidelity
- **B. Selectivity**
- C. Sensitivity
- D. Frequency range

Q14. The major advantage of FM (Frequency modulation) over AM (Amplitude modulation) is ____.

- **A. Reception is less noisy**
- B. Higher carrier frequency

- C. Smaller bandwidth
- D. Small frequency deviation

Q15. What is the full form of AVC?

- A. Audio voltage control
- B. Abrupt voltage control
- C. **Automatic volume control**
- D. Automatic voltage control

Q16. When the modulating signal controls the frequency of the carrier, we get ____.

- A. Phase modulation
- B. Amplitude modulation
- C. **Frequency modulation**
- D. All of the above

Q17. In a radio receiver, we generally use _____ oscillator as a local oscillator.

- A. Crystal
- B. Wien-bridge
- C. Phase-shift
- D. **Hartley**

Q18. In an AM wave, the majority of the power is in ____.

- A. Lower sideband
- B. Upper sideband
- C. **Carrier**
- D. None of the above

Q19. The diode detector in an AM radio receiver is usually found ____.

- A. before the first RF stage
- B. after the first RF stage
- C. **after several stages of amplification**
- D. None of the above

Q20. As the modulation level is increased, the carrier power _____.

- A. is increased
- **B. remains the same**
- C. is decreased D.
- D. None of the above

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