

By OnlineInterviewQuestions.com

Multistage Transistor Amplifiers MCQ Test

Take Multistage Transistor Amplifiers MCQ Test & Online Quiz to test your Knowledge

Below is the **Multistage Transistor Amplifiers MCQ** test that checks your basic knowledge of Multistage Transistor Amplifiers. This **Multistage Transistor Amplifiers MCQ Test** contains 20 Multiple Choice Questions. You have to select the right answer to the question. Apart from this, you can also download Multistage Transistor MCQ Pdf completely free.

Q1. What does the final stage of a multistage amplifier uses?

- A. RC coupling
- B. Direct coupling
- C. Impedance coupling
- **D. Transformer coupling**

Q2. Rc coupling is used for amplification

- A. Power
- B. Current
- **C. Voltage**
- D. None of the above

Q3. We use transformer for impedance matching in transistor amplifiers.

- A. Step up
- **B. Step down**
- C. Same turn ratio
- D. None of the above

Q4. What is called the lower and upper cut off frequencies?

- A. Sideband

- B. Resonant
- **C. Half-power**
- D. None of the above

Q5. What is the frequency response of transformer coupling?

- **A. Poor**
- B. Good
- C. Very good
- D. Excellent

Q6. What do we use in the initial stages of a multistage amplifier?

- **A. RC coupling**
- B. Direct coupling
- C. Transformer coupling
- D. None of the above

Q7. The voltage gain is expressed in

- **A. Db**
- B. Volts
- C. Numbers
- D. None of the above

Q8. What is the purpose of RC or transformer coupling?

- A. Block a.c.
- B. Increase thermal stability
- **C. Separate bias of one stage from another**
- D. None of the above

Q9. A radio receiver has of amplification

- A. One stage
- B. Two stages
- C. Three stages
- **D. More than one stages**

Q10. What is the maximum efficiency of the class - B amplifier?

- A. 35%
- B. 50%
- C. 78.5%
- D. None of the above

Q11. In Multi-stage amplifiers, the output of first stage is coupled to the input of next stage using a coupling device.

- A. True
- B. False

Q12. What do you mean by Cascading?

- A. process of joining two amplifier stages using a coupling device
- B. process of extracting two amplifier stages using a coupling device
- C. Both A and B
- D. None of the above

Q13. What are Half-power frequencies?

- A. Sideband
- B. Resonant
- C. The lower and upper cut off frequencies
- D. Half-resonant

Q14. The frequency response of transformer coupling is Poor.

- A. True
- B. False

Q15. In the initial stages of a multistage amplifier, we use _____.

- A. RC coupling
- B. Transformer coupling
- C. Direct coupling

- D. None of the above

Q16. The bandwidth of a multi stage amplifier is _____ that of a single stage amplifier.

- A. less than
- B. more than
- C. equal
- D. None of the above

Q17. The value of emitter capacitor CE in a multistage amplifier is about _____.

- A. 1 μF
- B. 100 pF
- C. 0.01 μF
- D. 50 μF

Q18. Which transformer is used for impedance matching in transistor coupled amplifier?

- A. step-up
- B. step-down
- C. same turn ratio
- D. different turn ratio

Q19. The number of stages that can be directly coupled is limited because changes in temperature cause thermal instability.

- A. True
- B. False

Q20. RC coupling is generally confined to low power applications because of _____.

- A. Large value of coupling capacitor
- B. Low efficiency
- C. Large number of components
- D. None of the above