

By OnlineInterviewQuestions.com

Multistage Transistor Amplifiers MCQ Test

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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. Finally, you can also take the Online Quiz from the **Take Multistage Transistor Amplifiers Quiz** Button.

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

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