

By OnlineInterviewQuestions.com

Amplifiers With Negative Feedback MCQ Test

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Below is the **Amplifiers With Negative Feedback MCQ** test that checks your basic knowledge of Amplifiers With Negative Feedback. This **Amplifiers With Negative Feedback 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 **Amplifiers With Negative Feedback Quiz** Button.

Q1. A feedback circuit usually employs ____ network.

- **A. Resistive**
- B. Capacitive
- C. Inductive
- D. None of the above

Q2. The gain of an amplifier with feedback is known as ____ gain.

- A. Resonant
- B. Open loop
- **C. Closed loop**
- D. None of the above

Q3. An emitter follower has high input impedance.

- **A. True**
- B. False

Q4. When a negative voltage feedback is applied to an amplifier, its bandwidth ____.

- **A. is increased**
- B. is decreased
- C. remains the same

- D. insufficient data

Q5. The voltage gain of an emitter follower is ____.

- A. Much less than 1
- **B. Approximately equal to 1**
- C. Greater than 1
- D. None of the above

Q6. Negative feedback is employed in ____.

- A. Oscillators
- B. Rectifiers
- **C. Amplifiers**
- D. None of the above

Q7. When negative voltage feedback is applied to an amplifier, its voltage gain ____.

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

Q8. What do you know about Emitter follower?

- **A. Emitter follower is a Current feedback circuit.**
- B. Emitter follower is a Voltage feedback circuit.
- C. Resistor
- D. None of the above

Q9. A Negative-feedback amplifier is an ____ amplifier.

- A. Magnetic
- **B. Electronic**
- C. Electromagnetic
- D. None of the above

Q10. Emitter follower is used for ____.

- A. Current gain
- **B. Impedance matching**
- C. Voltage gain
- D. None of the above

Q11. The value of negative feedback fraction is always ____.

- **A. less than 1**
- B. more than 1
- C. equal to 1
- D. None of the above

Q12. Where is the Permanent Magnetic speakers use?

- A. in Radio signal Tower
- **B. in Radio**
- C. in Transformer
- D. All of the above

Q13. What are the consequences over the non-linear distortion by the inception of negative feedback?

- A. Level of non-linear distortion goes on increasing
- **B. Level of non-linear distortion goes on decreasing**
- C. Level of non-linear distortion undergoes stability
- D. None of the above

Q14. Stability of a transfer gain is generally defined as the reciprocal of ____.

- A. Desensitivity
- **B. Sensitivity**
- C. Conductivity
- D. Resistivity

Q15. Which among the following is an output provided by transresistance amplifier?

- **A. Output voltage proportional to signal current**
- B. Output voltage proportional to input voltage
- C. Output current proportional to signal current
- D. Output current proportional to signal voltage

Q16. What should be the value of input resistance for an ideal voltage amplifier circuit?

- A. Zero
- B. Unity
- **C. Infinity**
- D. Unpredictable

Q17. An ideal OP-Amp Is an ideal ____.

- A. Current controlled current source
- B. Current controlled voltage source
- **C. Voltage controlled voltage source**
- D. Voltage controlled Current source

Q18. What would be the value of feedback voltage in a negative feedback amplifier with $A=100$; $\beta=0.03$ and input signal voltage = 40mv?

- A. 0.03V
- B. 0.06V
- C. 0.09V
- **D. 0.12V**

Q19. If the feedback fraction of an amplifier is 0.01, then voltage gain with negative feedback is approximately ____.

- A. 500
- **B. 100**
- C. 600
- D. 1000

Q20. The main advantages of using Negative Feedback in amplifier circuits is to greatly improve their stability, better tolerance to component variations, stabilization against DC drift as well as increasing the amplifiers bandwidth.

- **A. True**
- **B. False**

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