

QUIZ – ANSWER KEY

QUIZ NO: 119

TOPIC: ELECTRICAL ENGINEERING

DATE: 04/11/2022

1. Reverse saturation current of a common emitter transistor is ____ ?
- [A] Collector current when emitter is open circuited and base-collector junction is reverse biased
 - [B] Emitter current when collector is open circuited and base-collector junction is reverse biased
 - [C] Base current when emitter circuit is open circuited and emitter-collector junction is reverse biased
 - [D] Collector current when base circuit is open circuited

Answer: A

2. Reverse collector saturation current I_{CBO} is ____ ?
- [A] Collector current when emitter current is zero
 - [B] Collector current when base current is zero
 - [C] Same as reverse saturation current
 - [D] Collector current when either emitter or base current is zero

Answer: A

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3. Reverse collector saturation is greater than Reverse saturation current because of reverse collector saturation _____ ?
- [A] Is ideal
 - [B] Doesn't include leakage current
 - [C] They are same
 - [D] Include avalanche multiplication current which is caused by the collision in collector junction

Answer: D

4. Which of the following configuration is used for impedance matching ?
- [A] Common base configuration
 - [B] Common emitter configuration
 - [C] Common collector configuration
 - [D] All configurations are equally suited

Answer: C

5. Which of the following statement about a common base transistor is true?
- [A] Very low input impedance
 - [B] Very low output Impedance
 - [C] Current gain is greater than unity
 - [D] Voltage gain is very low

Answer: A

6. Which of the following statement about a common emitter transistor is true?
- [A] Very high input resistance

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- [B] High output resistance
- [C] Current gain is less than unity
- [D] Voltage gain is very low

Answer: B

7. Which of the following statement about a common collector transistor is true?

- [A] Very low input impedance
- [B] Very high output impedance
- [C] Unity current gain
- [D] Unity voltage gain

Answer: D

8. BJT is biased to ____?

- [A] Work as a switch
- [B] Prevent thermal runaway
- [C] Increase DC collector current
- [D] Operate it in the saturation region

Answer: B

9. Which of the following configuration is used as input stage of the multistage amplifier?

- [A] Common base configuration
- [B] Common emitter configuration
- [C] Common collector configuration
- [D] All configurations are equally suited

Answer: A

10. Which of the following configuration is used for audio signal amplification?

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- [A] Common base configuration
- [B] Common emitter configuration
- [C] Common collector configuration
- [D] All configurations are equally suited

Answer: B

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