

BGS INSTITUTE OF TECHNOLOGY
ANALOG ELECTRONICS
QUIZ QUESTIONS
3RD A AND B

1. The transistor can be used to
 - a. Amplify current
 - b. Amplify voltage
 - c. Amplify power
 - d. All of the above

2. In saturation region of the transistor
 - a. The transistor is normally biased
 - b. Both the junctions are forward biased
 - c. Both the junctions are reverse biased
 - d. Both the regions are not biased

3. Operating point on transistor characteristics is known as
 - a. Q –point
 - b. Qusent point
 - c. Zero signal point
 - d. All of the above

4. Common emitter configuration is suitable for
 - a. Impedance matching
 - b. Cascading
 - c. Only voltage amplification
 - d. None of the above

5. FET is
 - a. Bipolar device
 - b. Unipolar device
 - c. Current controlled device
 - d. None of the above

6. A feedback network in a feedback amplifier consists of
 - a. A sampling network
 - b. A feedback network
 - c. A mixer network
 - d. All of the above

7. A negative feedback amplifier has
 - a. Higher stability
 - b. Reduction gain
 - c. Increased bandwidth
 - d. All of the above.

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8. Barkhausen criteria for sustained oscillations is
 - a. $A\beta=1$
 - b. $(1+ A\beta)=1$
 - c. $A\beta=-1$
 - d. None of the above
9. crystal oscillator works on the principle of
 - a. electrostatic effect
 - b. electromagnetic effect
 - c. piezoelectric effect
 - d. none of the above
10. An op-amp can be used as
 - a. Integrator
 - b. Differentiator
 - c. Summer
 - d. All of the above