

Competitive Exams: Electronics MCQs (Practice-Test 2 of 13)

1. Wien bridge oscillator can typically generate frequencies in the range of

- a. 1kHz-1 Mhz
- b. 1 Mhz-10MHz
- c. 10MHz-100MHz
- d. 100MHz-150MHz

Answer: a

2. A differential amplifier, amplifies

- a. and mathematically differentiates the average of the voltages on the two input lines
- b. and differentiates the input waveform on one line when the other line is grounded
- c. the difference of voltages between the two input lines
- d. and differentiates the sum of the two input waveform

Answer: c

3. The type of power amplifier which exhibits crossover distortion in its output is

- a. Class A
- b. Class B
- c. Class AB
- d. Class C

Answer: b

4. The lowest output impedance is obtained in case of BJT amplifiers for

- a. CB configuration
- b. CE configuration
- c. CC configuration
- d. CE with RE configuration

Answer: c

5. The upper cutoff frequency of an RC coupled amplifier mainly depends upon

- a. Coupling Capacitor
- b. Emitter bypass capacitor
- c. Output capacitance of signal source
- d. Inter-electrode capacitance and stray shunt capacitance

Answer: d

6. Just as a voltage amplifier amplifies signal voltage, a power amplifier

- a. amplifies power
- b. amplifies signal current
- c. merely converts the signal ac power into the dc power
- d. merely converts the dc power into useful ac power

Answer: d

7. An oscillator of the LC type that has a split capacitor in the circuit is

- a. Hartly oscillator
- b. Colpitts oscillator
- c. Weinbridge oscillator
- d. R-C phase shift oscillator

Answer: b

8. The function of bleeder resistor in a power supply is

- a. the same as that of load resistor
- b. to ensure a minimum current drain in the circuit
- c. to increase the output dc voltage
- d. to increase the output current

Answer: b

9. In a bistable multivibrator circuit, commutating capacitor is used

- a. to increase the base storage charge

Visit examrace.com for free study material, doorsteptutor.com for questions with detailed explanations, and "Examrace" YouTube channel for free videos lectures

- b. to provide ac coupling
- c. to increase the speed of response
- d. to provide the speed of oscillations

Answer: c

10. Removing bypass capacitor across the emitter-leg resistor in a CE amplifier causes

- a. increase in current gain.
- b. decrease in current gain.
- c. increase in voltage gain.
- d. decrease in voltage gain.

Answer: d