

Quiz-4 (Analog circuit)

Branch - ECE, 4th sem

Que!-1. Oscillator has — (a) +ve feedback (b) -ve feedback
(c) No need of feedback (d) None of these

Que!-2. Maximum efficiency of class-B amplifier —
(a) 90% (b) 78.5% (c) 25% (d) 10%

Que!-3. Which of the following harmonics are cancelled in Push-Pull amplifier —
(a) Odd (b) Even (c) all (d) None of these

Que!-4. Cross-over distortion is overcome by using —
(a) Push-pull arrangement (b) class-AB power amplifier
(c) Class-B power amp (d) None of these

Que!-5. Hartley oscillator generates —
(a) Audio frequency (b) Radio frequency
(c) Audio & Radio freq. (d) None of these

Que!-6. Which of the following is Barkhausen criterion —
(a) $BA = \infty$ (b) $BA = 0.1$ (c) $-BA = 1$ (d) all of above

Que!-7. Frequency of oscillation of phase-shift oscillator is $f = \dots\dots\dots$?

Que!-8. In astable multivibrator, $R_1 = R_2 = 10\text{ k}\Omega$, $C_1 = C_2 = 0.01\text{ }\mu\text{F}$ and $R_{L1} = R_{L2} = 1\text{ k}\Omega$. Then frequency of oscillation, $f = \dots\dots\dots\text{ KHz}$.

Que!-9. Draw cross-over distortion curve occur in power amplifier.
~~only~~ Draw graph only.

Que!-10. Give two differences in amplifier and oscillator.


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