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Sub-Electronics Paper-CC-8 Sem-4

Sample Question Papers

( Short answer type Questions)

1. Give the concepts of differential amplifier.
2. What is CMRR of an OP-AMP ?
3. Give and discuss the circuit arrangement of Wein Bridge Oscillator .
4. What is multivibrator? Draw the basic circuit diagram of commom multivibrator ?

(Long answer type questions )

1. Define the following parameters of an Op-Amp :
2. Input offset voltage
3. Input bias current
4. Input capacitance
5. Slew rate
6. Discuss the frequency responce curve of an op-amp in open loop configuration.
7. what is Phase shift oscillator and find the expression for frequency of oscillation .
8. Discuss the monostable multivibrator and give its applications.
9. Write short notes on any two:
10. Block diagram of an op-amp.
11. Inverting and Non-Inverting amplifier.
12. Supply voltage rejection ratio.
13. First order Active lop pass filter.

And butterworth filter.