

Chapter # 18

- Q.1 Write two properties of operational amplifier.
- Q.2 What is principle of virtual ground?
- Q.3 What is reverse or leakage current in p-n junction diode?
- Q.4 How does the motion of an electron in n region is different from motion of holes in a p region?
- Q.5 What is the net charge on p type or n type semiconductor?
- Q.6 Why charge carriers are not present in the depletion region?
- Q.7 Why ordinary silicon diode do not emit light?
- Q.8 Why photo diode is operated in reverse biased state?
- Q.9 Why is the base current in transistor very small?
- Q.10 How Comparator is used as a night switch?
- Long Questions.
- Q. What is rectification? Discuss the working of different Rectifier Circuits.
- Q. How can you use Transistor as an amplifier? Explain.
- Q. Derive the expression for gain of inverting and non inverting amplifier.

Numericals

18.1 , 18.5