

Electronic Devices and Circuits

Important 10mark questions

Unit I

1. Explain the forward and reverse bias characteristics of PN junction diode.
2. Explain the working of a bridge rectifier with relevant waveforms.

Unit II

1. Draw the circuit of RC coupled amplifier and explain.
2. Explain CE configuration with input, output characteristics.

Unit III

1. Explain about operation and characteristics of UJT with simple diagram.
2. Explain the characteristics of JFET.

Unit IV

1. Explain the working of a DIAC in detail with diagrams.
2. Draw the biasing for n-channel D-MOSFET. Explain the drain and transfer characteristics.

Unit V

1. Draw the circuits, waveforms of negative clipper and positive clipper.
2. Explain the operation of an a stable multivibrator using transistors. Draw the output waveforms.