

UNIT -1

POWER SEMI CONDUCTOR DEVICES & COMMUTATION CIRCUITS

1. What are the differences between power diode and signal diode?
2. Define latching current & holding current of a SCR.
3. What is Snubber circuit? What is the function of Snubber circuit?

For more questions please download the above Pdf file

UNIT – II

AC-DC CONVERTERS (1-PHASE & 3-PHASE CONTROLLED RECTIFIERS)

1. What is meant by phase controlled rectifier?
2. Mention some of the applications of controlled rectifier.
3. What is the function of freewheeling diodes in controlled rectifier?

For more questions please download the above Pdf file

UNIT-III

DC-DC CONVERTERS (CHOPPERS)

1. What is meant by dc chopper?
2. What is meant by duty-cycle?
3. What is meant by Time Ratio Control? What are the two types of TRC?

For more questions please download the above Pdf file

UNIT – IV

AC-AC CONVERTERS (AC VOLTAGE CONTROLLERS) & FREQUENCY CHANGERS (CYCLOCONVERTERS)

1. What does ac voltage controller mean?
2. What are the disadvantages of continuous gating signal?
3. What is meant by high frequency carrier gating?

For more questions please download the above Pdf file

UNIT-V

DC-AC CONVERTERS (INVERTERS)

1. What is meant by inverter?
2. What are the main classifications of inverter?
3. Why thyristors are not preferred for inverters?