1. What is meant by phase controlled rectifier?
2. What is the function of freewheeling diodes in controlled rectifier?
3. Explain the operation of single phase half wave controlled converter with RL load. Sketch the associated waveforms.
4. Explain the operation of single phase full wave controlled converter with inductive load. Sketch the associated waveforms.
5. Explain the operation of single phase semi-controlled converter with inductive load. Sketch the associated waveforms.
6. Explain the operation of three phase half wave controlled converter with inductive load. Sketch the associated waveforms.
7. With necessary circuit and waveforms, explain the principle of operation of three phase controlled bridge rectifier feeding R-L load and derive the expression for the average output dc voltage.
8. Explain the operation of three phase semi converter with RLE load. Sketch the associated waveforms.