

### Assignment: 5

1. Explain the basic principle of matrix converter.
2. Explain the concept of On Off or integral cycle control?
3. Explain the working of single phase ac voltage controller catering R-L load, along with the needed waveforms. Derive its equation for the average output voltages.
4. Explain basic principle of Cycloconverter.
5. Draw and explain the working of single to single phase Cycloconverter with the needed waveforms.
6. Explain Electromagnetic interference and its remedies