

DEPARTMENT: ELECTRICAL SEMESTER: 4

SUBJECT NAME: Power Electronics

SUBJECT CODE: 3140915

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

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