

Assignment No.1

BE-A Division

Q.1 What are the effects of bad power quality on following equipments.

- a. Transformer
- b. Cable
- c. Motors
- d. Incandescent Lamp
- e. Electronic Sensitive Loads
- f. Communication Cables
- g. Desktop Computers
- h. CFL Lamps

2. Explain following Terms with their definations.

- a. Transients
- b. Short duration voltage variations
- c. long duration voltage variations
- d.voltage imbalance
- e. voltage fluctuations
- f. voltage flicker
- g. waveform distortion

Q.3 Write a short Note on IEEE standard 519-2014

Q.4 Write a short note on Grounding issues in Power Quality.