

[illegible]

1. What are the issues related to power quality? What are causes of poor power quality? Explain in details with its solution.
2. Write the power assessment under waveform distortion for a single phase system with a case study.
3. What are roles of wavelet transform in power quality study? Illustrate with example.
4. What is the importance of Harmonic distortion? How is it mitigated in distribution, transmission and generation system?
5. What are importances of Fourier Transform in wave form processing techniques? Justify your answer with examples.
6. What are various types of power quality instruments? Write their uses and working and principles.
7. What are instrument transformers? Write their working principle with applications.
8. Write short notes on :
  - (a) Alternate Transform
  - (b) EMC
  - (c) Grounding
  - (d) APFC.