system.

studies.

fault in symmetrical fault.

Write Technical notes on:

MATLAB for Power System.

http://www.HaryanaPapers.com

**EMTP** 

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detail.

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(b) Describe load flow study of distribution

Describe Decoupled load flow studies.

Section-C

Double line to ground fault and symmetrical fault in

What is digital fault? Explain calculation of digital

Section-D

Explain various states of Power System.

Explain the schematic block diagram of SCADA.

Explain different techniques of solving load flow

# B.Tech. 7th Semester (F) Scheme (EE) Examination,

#### December-2018

# COMPUTER APPLICATIONS TO POWER SYSTEM ANALYSIS

## Paper-EE-409-F

[Maximum marks: 100 Time allowed: 3 hours]

Note: Question no. 1 is compulsory and attempt any one question from each of four sections.

- (a) Differentiate between Symmetrical and 1. Unsymmetrical fault.
  - List the properties of Tree.
  - Explain Sparsh Matrix.
  - 20 Explain Ferranti effect.

#### Section-A

- Explain components of Power System. 10 2.
  - Describe Performance of Transmission Line. 10
- 10 Describe Contingency analysis in detail. 3.
  - Discuss growth of power system. 10

### Section-B

Compare GS method and NR method. 10

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