

Roll No. ....

**23288**

**M. E./M. Tech. 2nd Semester (EE-EPs)**

**Examination – June, 2013**

**REAL TIME CONTROL OF POWER SYSTEMS**

**Paper : MTEPS 203**

*Time : Three hours ]*

*[ Maximum Marks : 100*

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

*Note : Attempt any five questions. All questions carry equal marks.*

1. Discuss bad data identification and elimination. 20
2. Explain security analysis and monitoring. 20
3. Discuss computer control of power system. 20
4. Explain SCADA system with suitable block diagram. 20

23288-200-(P-2)(Q-8)(13)

P. T. O.

5. What is voltage stability and discuss relation of voltage stability to rotor angle stability. 20
6. Explain power flow analysis for voltage stability. 20
7. Write short notes on : 20
- (i) Application of ANN in power system,
  - (ii) Voltage security.
8. Discuss theory of WLS state estimation. 20