

DEPARTMENT OF ELECTRICAL ENGINEERING

MAJOR TEST(2007-08)

EEL 896: POWER SYSTEM OPTIMIZATION

Time: 2Hrs

Max marks:40

1. Explain the linkages of ED, AGC and Voltage/Var(Reactive OPF) control problems. (7)
2. Explain the evaluation of real and reactive loss ITLs using NRLF (4)
3. Explain the optimal load shedding method for voltage stability enhancement (7)
4. Explain the LR base Unit Commitment, and explain its advantage as compared to purely DP based method. (7)
5. Explain the crisp DED in regulated and deregulated environments. (8)
6. Explain the basic steps in a Genetic Algorithm and advantages and disadvantages. (7)