

Code: 17EEPC2T4

I M.Tech - II Semester - Regular Examinations - August 2018

**DISTRIBUTION SYSTEM PLANNING & AUTOMATION
(POWER SYSTEM & CONTROL)**

Duration: 3 hours

Max Marks: 60

Answer the following questions.

1. Justify why Distribution System planning is necessary and discuss about factors effecting planning? 15 M

(OR)

2. Explain the role of computers in distribution planning. 15 M

3. Explain about problems of existing distribution system. 15 M

(OR)

4. List out the objectives and functions of distribution automation. 15 M

5. Enumerate various components of SCADA and explain.

15 M

(OR)

6. Explain about communication protocols of SCADA system.

15 M

7. List out the functions of substation automation system and explain.

15 M

(OR)

8. List out procedure to find out the optimum capacitor location.

15 M