

R09

Code No: D109110701

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.Tech I Semester Supplementary Examinations September 2010

DISTRIBUTION AUTOMATION

(Electrical Power Systems)

Time: 3hours

Max. Marks: 60

**Answer any five questions
All questions carry equal marks**

- 1.a) State the advantages of introducing Distribution Automation.
- b) Distinguish centralized and decentralized control of DA.
2. Explain Distribution Automation capabilities and draw a flow chart for fault identification and service restoration.
3. Explain in detail about the characteristics/requirements for the communication systems used in DA?
4. Explain Distribution line carrier communication system used in DA with the help of diagram.
5. Explain potential benefit categories with suitable example.
6. What are the guide lines to be followed in formulation of estimating equations?
7. Explain the procedure for development and evaluation of alternate plans in economic evaluation methods in DA.
8. Explain short term analysis and Break even analysis in economic evaluation of DA?

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