E

Question Paper Code: 55T20

M.E.DEGREE EXAMINATION, APRIL 2019

Elective

Course Work

15PPE520–SMART GRID

(Regulation 2015)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART – A (5 x 20= 100 Marks)

1. (a) Explain the diverse perspectives from experts and global smart grid initiatives.   CO1- U   (20)

Or

(b) Explain the Resilient and self healing grid.   CO1- U   (20)

2. (a) Write a note on Feeder Automation.   CO2- U   (20)

Or

(b) Briefly explain the outage management.   CO2- U   (20)

3. (a) Write a note on Smart Meters.   CO3-U   (20)

Or

(b) Explain the AMI protocols and its standards and initiatives.   CO3-U   (20)

4. (a) Explain the Power Quality audit.   CO4 -U   (20)

Or

(b) Brief about the power quality and EMC in smart grid.   CO4 -U   (20)

5. (a) Write a short note on ,"IP base protocols".   CO5-U   (20)

Or

(b) Describe the Broadband over Power Line (BPL) in detail   CO5-U   (20)

55T20