

E

Reg. No. :

--	--	--	--	--	--	--	--	--	--

Question Paper Code: 55T20

M.E.DEGREE EXAMINATION, NOV 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 Resilient and self healing grid CO1- U (20)
Or
(b) Differentiate between Conventional and smart grid. CO1- U (20)
2. (a) Write a note on Substation Automation CO2- U (20)
Or
(b) Briefly explain the distribution system with neat sketch. CO2- U (20)
3. (a) Brief about the Advanced Metering Infrastructure (AMI) drivers. CO3-U (20)
Or
(b) Explain the Intelligent Electronic Devices (IED) in detail. CO3-U (20)
4. (a) Explain in Web based monitoring. CO4 -U (20)
Or
(b) Explain in detail about the Power quality power quality conditioners. CO4 -U (20)
5. (a) Give in detail about basics of Web Service and CLOUD Computing to make Smart Grids smarter. CO5-U (20)
Or
(b) Explain in detail about the Cyber Security of Smart grid. CO5-U (20)

