

Total No. of Questions : 4]

SEAT No. :

PD279

[Total No. of Pages : 1

[6411]-54

B.E. (Electrical Engineering) (Insem)

SMART GRID

(2019 Pattern) (Semester - VIII) (403150C) (Elective - V)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Each question carry 15 marks.
- 2) Solve Q1 or Q2, Q3 or Q4.
- 3) Figures to the right indicates full marks.
- 4) Assume suitable data, if necessary.
- 5) Neat diagrams must be drawn wherever necessary.

Q1) a) Give present development and national policies in smart grid. [7]

b) What is the need of smart grid? What will be the components of smart grid? [8]

OR

Q2) a) Write a note on opportunity and barriers in smart grid. [7]

b) Explain the concept of Resilient and Self-Healing grid. [8]

Q3) a) Explain Phase Measurement Unit with Applications. [7]

b) Write short note on Plug in Hybrid Electric Vehicle and Vehicle to Grid. [8]

OR

Q4) a) Explain the function of IED and their Application. [7]

b) Write a short note on Substation automation and Feeder Automation. [8]

