

Total No. of Questions : 4]

SEAT No. :

P8627

[Total No. of Pages : 1

Oct-22/TE/Insem-650
Honors - T.E. (Mechanical)
ENERGY MANAGEMENT IN UTILITY SYSTEMS
Energy Management
(2019 Pattern) (Semester - I) (302021MJ)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data wherever necessary and mention the same clearly.*

Q1) a) How do an Industry, Nation and globe would benefit from energy efficiency programs? **[8]**

b) Explain energy consumption pattern of globe. **[7]**

OR

Q2) a) Explain energy consumption pattern of Indian industry. **[8]**

b) Explain role of energy consumption pattern in economic development of Nation. **[7]**

Q3) a) Discuss energy pricing and reforms in energy sector. **[8]**

b) What is the concept of Energy security? What are the different ways to ensure energy security? **[7]**

OR

Q4) a) What is the role of renewable energy sources with reference to energy security? **[8]**

b) What are the important aspects considered for energy pricing in India. **[7]**

