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**Question Paper Code: 59324**

B.E./B.Tech. DEGREE EXAMINATION, DEC 2020

Elective

Electrical and Electronics Engineering

15UEE924- ENERGY AUDIT

(Regulation 2015)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. Inexhaustible energy sources are known as CO1- R
  - (a) Commercial Energy
  - (b) Renewable Energy
  - (c) Primary energy
  - (d) Secondary energy
2. The type of energy possessed by the charged capacitor is CO1 -R
  - (a) Kinetic energy
  - (b) Electrostatic
  - (c) Potential
  - (d) Magnetic
3. Which type of insulation is more economic or energy efficient for steam pipelines carrying saturated steam? CO2- R
  - (a) Glass wool
  - (b) Ceramic fibre
  - (c) Calcium silicate
  - (d) Fibre bricks
4. Water hammer is common in CO2- R
  - (a) Water pipes
  - (b) Condensate pipes
  - (c) Steam pipes with steam and condensate
  - (d) Main steam lines with good traps
5. Which of the following axial fan types is most efficient? CO3 -R
  - (a) Propeller
  - (b) Tube axial
  - (c) Vane axial
  - (d) Radial
6. The operating point in a pumping system is identified by CO3- R
  - (a) Point of intersection of system curve and efficiency curve
  - (b) Point of intersection of pump curve and theoretical power curve
  - (c) Point of intersection of pump curve and system curve
  - (d) Cannot be decided by pump characteristic curves

