Solutions

OP code: 24863

Q1a) $N_s = 120f/P = 120*50/6 = 1000$ rpm   2M
    $N = 950$ rpm
    Slip $S = (N_s-N)/N_s = (1000-950)/1000 = 0.05$ 3M

    b) $E_b = \Phi z N/60 * P/A$

    c) Any 5 applications

    d) Diagram   2M

       Explanation   3M

Q2 a) Diagrms step by step   5M

  Explanation   3M

    b) Diagram   3M

  Explanation   4M

Q3a) Diagram   3M

 Explanation   5M

    b) Diagram   3M

      Explanation   4M

Q4a) Types   3M

 Explanation   5M

   b)

Q5a) 7 Comparisons   7M

   b) Characteristics   3M

  Explanation   5M

Q6a) Diagram   2M

Explanation   3M

   b) Diagram   2M

     Explanation   3M

   c) Diagram   2M

     Explanation   3M