



- (b) cranes
- (c) hoists
- (d) machine tools
- g)** The efficiency of transformer will be maximum when (1)
  - (a) copper losses = hysteresis losses
  - (b) hysteresis losses = eddy current losses
  - (c) eddy current losses = copper losses
  - (d) iron losses = copper losses
- h)** Hopkinson's test on D.C. machines is conducted at (1)
  - to determine
  - (a) no-load
  - (b) part load
  - (c) full-load
  - (d) overload
- i)** Power transformers are designed to have maximum efficiency at (1)
  - (a) nearly full load
  - (b) 70% full load
  - (c) 50% full load
  - (d) no load
- j)** Which of following is not a part of transformer installation? (1)
  - (a) conservator
  - (b) breather
  - (c) Buchholz relay
  - (d) exciter
- k)** Slip rings are usually made of (1)
  - (a) copper
  - (b) carbon
  - (c) phosphor bronze
  - (d) aluminium
- l)** The starting torque of a squirrel-cage induction motor is (1)
  - (a) low
  - (b) negligible
  - (c) same as full-load torque
  - (d) slightly more than full-load torque
- m)** The frame of an induction motor is made of (1)
  - (a) carbon
  - (b) closed grained cast iron
  - (c) aluminium
  - (d) stainless steel
- n)** For generating large currents on D.C. generators which winding is generally preferred? (1)
  - (a) Progressive wave winding
  - (b) lap winding
  - (c) retrogressive wave winding
  - (d) current depends on design



