

1. Eddy currents in DC shunt generator
- a. vary with speed
  - b. vary as square of speed
  - c. vary as inverse of speed
  - d. vary inversely as square of the lamination thickness

Ans: D

2. Which motor is considered as most suitable for hoists and cranes
- a. DC shunt, constant speed
  - b. DC shunt, adjustable speed
  - c. Cumulative compound
  - d. Series

Ans: D

3. Cumulative compound DC motors are suitable for
- a. Tool cutting machines
  - b. Centrifugal pumps
  - c. Centre lathes
  - d. Traction

Ans: A

4. The function of the commutators in a DC machine is
- a. to change alternating current to direct current
  - b. to improve commutation
  - c. for easy speed control
  - d. to change the alternating voltage to direct voltage

Ans: A

5. The internal resistance of a cell is

- a. the resistance of its solution
- b. the resistance of its electrodes
- c. the resistance of its container
- d. the resistance of the minimum length of wire required to connect its electrodes

Ans: A

6. Nichrome is commonly used for

- a. battery connections
- b. battery plates
- c. lamp filaments
- d. Transformer windings

Ans: D

7. Sparking occurs when a load is switched off because the circuit has high

- a. inductance
- b. capacitance
- c. resistance
- d. all of the above

Ans: A

8. A thermocouple instrument would be useful for current measurements at

- a. high frequencies
- b. low frequencies
- c. very low frequencies
- d. DC voltages

Ans: A

9. A transformer transforms

- a. energy
- b. frequency

- c. power
- d. voltage

Ans: D

10. In a power transformer, for maximum efficiency at a given load,

- a. copper loss must be less than iron loss
- b. copper loss must be equal to iron loss
- c. copper loss must be greater than iron loss
- d. there is no correlation between frequency and losses

Ans; B

meritnotes.com