

Electromagnetic Induction MCQs

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1. Total number of magnetic field lines passing through an area is called

- A. magnetic flux density
- B. magnetic flux
- C. e.m.f(Electromagnetic Force)
- D. voltage

Answer - Click Here:

B

2. A consequence of motor effect is

- A. e.m.f(Electro-Magnetic Force)
- B. current
- C. voltage
- D. electromagnetic induction

Answer - Click Here:

A

3. E.M.F (Electromagnetic Force) can be induced in a circuit by

- A. changing magnetic flux density
- B. changing area of a circuit
- C. changing the angle
- D. all of the above

Answer - Click Here:

A

4. By accelerating magnet inside the coil, current in it

- A. increases
- B. decreases
- C. remains constant
- D. reverses

Answer - Click Here:

A

5. E.M.F(Electro Magnetic Force) for a coil depends upon

- A. the cross sectional area and the magnitude of magnetic flux density
- B. no. of turns of wire
- C. both a and b
- D. none of above

Answer - Click Here:

C

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6. In generators, the rate of change of flux linkage is maximum when the coil is moving through the

- A. vertical position
- B. horizontal position
- C. diagonal position
- D. none of above

Answer - Click Here:

B

7. For a straight wire, induced current depends upon

- A. the speed of movement of the wire
- B. the length of wire
- C. the magnitude of magnetic flux density
- D. all of the above

Answer - Click Here:

D

8. In a transformer the core is made up of soft iron in order to pass the maximum amount of...

- A. flux
- B. current
- C. magnetic flux
- D. voltage

Answer - Click Here:

C

9. The magnitude of induced e.m.f is proportional to

- A. rate of change of current
- B. rate of change of voltage
- C. rate of change of magnetic flux linkage
- D. rate of change of resistance

Answer - Click Here:

C

10. The induced current in a coil by a magnet turns it into an

- A. straight wire
- B. magnet
- C. ammeter
- D. electromagnet

Answer - Click Here:

D

11. Moving a coil in and out of magnetic field induces

- A. force
- B. potential difference
- C. voltage
- D. electronic magnetic force

Answer - Click Here:

D

12. Currents that flow in circles inside a disc called...

- A. air currents
- B. circular currents
- C. Eddy Currents
- D. none of above

Answer - Click Here:

C



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