## **Electromagnetic Induction MCQs**

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## Electromagnetic Induction MCQs

- 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

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В

- 2. A consequence of motor effect is
- A. e.m.f(Electro-Magnetic Force)
- B. current
- C. voltage
- D. electromagnetic induction
- ☐ Answer Click Here:

Α

- 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:

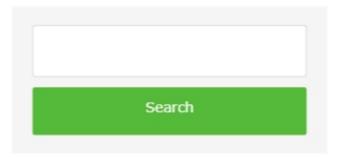
Α

- 4. By accelerating magnet inside the coil, current in it
- A. increases
- B. decreases
- C. remains constant
- D. reverses
- Answer Click Here:

Α

- 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:

С



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through the
A. vertical position
B. horizontal position
C. diagonal position D. none of above
Answer - Click Here:
В
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
D. all of the above
☐ Answer - Click Here:
D
<ol> <li>In a transformer the core is made up of soft iron in order to pass the maximum amount of</li> <li>flux</li> </ol>
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

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

none of a	bove
Answer -	Click Here:
С	
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12. Currents that flow in circles inside a disc called...

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