

Class 12 Physics Chapter 6 Electromagnetic Induction MCQs

1. Which of the following factors is the induced charge in an electromagnetic induction independent of?

- (a) Time
- (b) Resistance of the coil
- (c) Change of flux
- (d) None of the above

2. Which of the following states that whenever there is a change in the magnetic field linked with electric circuits, an emf is induced?

- (a) Lenz's Law
- (b) Ohm's Law
- (c) Faraday's Law of Electromagnetic Induction
- (d) None of the above

3. Which of the following gives the polarity of the induced emf?

- (a) Biot-Savart law
- (b) Lenz's law
- (c) Ampere's circuital law
- (d) Fleming's right-hand rule

4. Which of the following is the correct statement?

- (a) Induced emf is directly proportional to the rate of change of magnetic flux
- (b) Induced emf is directly proportional to the change in magnetic flux
- (c) Induced emf is directly proportional to the change in magnetic field
- (d) Induced emf is directly proportional to the change in magnetic field

5. Which of the following is the correct statement about the conservation of energy?

- (a) Induced emf is directly proportional to the rate of change of magnetic flux
- (b) Induced emf is directly proportional to the change in magnetic flux
- (c) Induced emf is directly proportional to the change in magnetic field
- (d) Induced emf is directly proportional to the change in magnetic field

6. Which of the following is the correct statement about electromagnetic induction?

- (a) Induced emf is directly proportional to the rate of change of magnetic flux
- (b) Induced emf is directly proportional to the change in magnetic flux
- (c) Induced emf is directly proportional to the change in magnetic field
- (d) Induced emf is directly proportional to the change in magnetic field

Fsc Physics Mcqs Chapter 1electromagnetic Induction

Arshad Iqbal



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