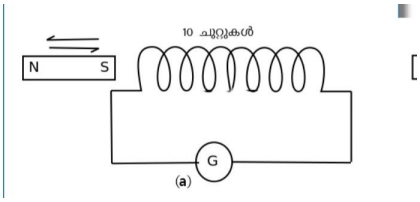
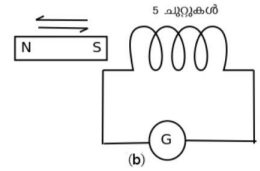
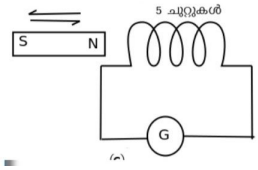

## ELECTROMAGNETIC INDUCTION

1. ---------- is a device used to understand the direction and magnitude of even a small current.
2. What are the components essential for proving electromagnetic induction experimentally?
3. What are the factors affecting the magnitude of induced current in electro magnetic induction?
4. Which are the factors affecting the direction of induced current in electromagnetic induction?
5. Observe the figure a, b, c given below and answer the questions.




1. In which solenoid the intensity of current is more?
2. What will be the change in deflection of the galvanometer if the magnet in b and c circuits get into the solenoid?

6. Find out the correct statement / statements from those given below.

a. When a magnet is moved close to a solenoid, the magnetic flux linked with the solenoid will decrease.
b. When a magnet is moved close to a solenoid, the magnetic flux linked with the solenoid will increase.
c. When a magnet is moved close to a solenoid, the magnetic flux linked with the solenoid remains the same.

7. Whenever change occur to the magnetic flux connected to a closed circuit, a current is induced. This phenomenon is known as

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