VIDYA BHAVAN, BALIKA VIDYAPEETH

SHAKTI UTTHAN ASHRAM, LAKHISARAI, PIN:-811311

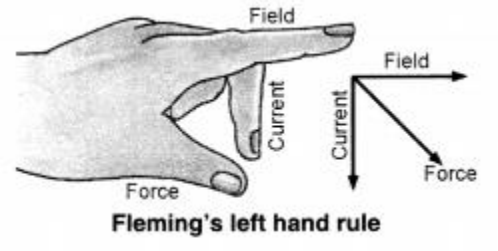
SUBJECT:- PHYSICS CLASS:- XTH DATE:09/01/XXI

SUBJECT TEACHER:- MR. NEEL NIRANJAN

CHAPTER 2. (MAGNETISM) (BASED ON NCERT PATTERN)

(REVISION)

Question 1. State Fleming's left hand rule**.**
Answer: Fleming's left hand rule : Stretch the first finger, the middle finger and the thumb of your left hand mutually perpendicular to each other in such a way that the first finger represents the direction of the magnetic field, the middle finger represents the direction of the current in the conductor, then the thumb will represent the direction of motion of the conductor.



Fleming's left hand rule

Question 2. Explain different ways to induce current in a coil.
Answer: Different ways to induce current in a coil are : moving a magnet towards or away from the coil or vice-versa changing current in the neighbouring coil.

Question 3. Which sources produce alternating current ?
Answer: Alternating current is produced by AC generators of nuclear power plants, thermal power plants, hydroelectric power stations, etc.

Question 4. Choose the correct option : A rectangular coil of copper wires is rotated in a magnetic field. The direction of the induced current changes once in each:
(i) two revolution (ii) one revolution (iii) half revolution (iv) one-fourth revolution

Answer: (iii) Half revolution