

29/7/2020
WEDNESDAY

PHYSICS

STD - X
class - 13

Assignment

Let us assess

6. The direction of movement of electrons through a magnetic field is depicted.

"The force felt by the electrons due to the influence of the magnetic field is into the plane of the paper." Is this statement correct? Explain based on the Fleming's Left Hand Rule.

Ans) Yes. Current flows on the opposite direction of electrons.

Using Fleming's left hand rule, hold forefinger in the direction of magnetic field, middle finger in the direction of current [opposite to electron flow], then the thumb will be into the plane of the paper.