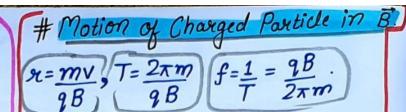


# Magnetic Force on a Charged

 $\vec{F} = q(\vec{V} \times \vec{B})$ 

- Force is perpendicular to both
- Direction of force can be find using Fleming's Left Hand Rule
- · Force on a loop in B F=0
- Magnetic Moment of loop in B
- Torque on a loop in B

=MBsinon



- Loventz Force F=qE+qCv×B)
- Force on Wire in  $\vec{B}$   $\vec{F} = i(\vec{l} \times \vec{B})$
- Force b/w 2 Wires F = 10 ii iz

If, r=1m, i,=i2=1A

F=2×10-N/m

## # Moving Coil Gralvanometer

For Galvanometer: - i= K 0

To convert into ammeter:-

To convert in voltmeter:



NEET SLAYER