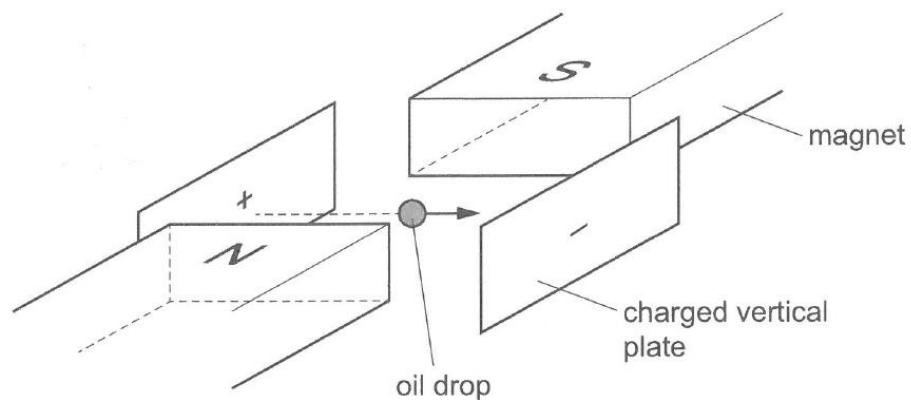


- 4 A magnetic field is created using two bar magnets. Two charged vertical plates are placed near the magnets as shown.



A charged oil drop moves in a horizontal straight line at constant speed in the air between the two plates.

Which equation about the magnitude of the forces acting on the charged oil drop must be correct?

- A air resistance = gravitational force
- B air resistance = magnetic force
- C electric force = magnetic force
- D gravitational force = magnetic force