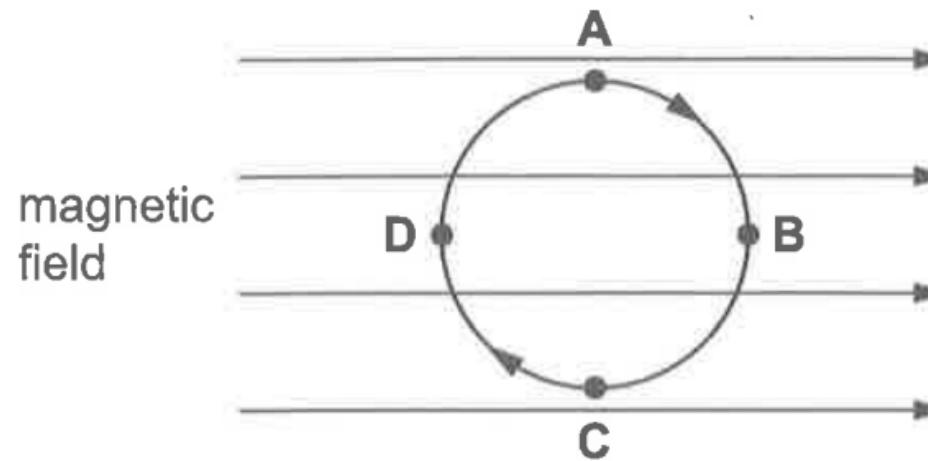


- 27 A coil of wire is placed in a uniform magnetic field, so that the magnetic field is parallel to the plane of the coil.

There is a clockwise current in the coil, as shown.

At which point is the direction of the magnetic force on the coil into the paper?



- 28 In the Rutherford  $\alpha$ -particle scattering experiments,  $\alpha$  particles are directed at a thin gold foil.