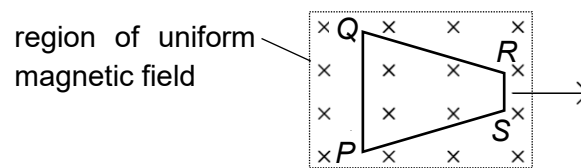


- 25** A trapezoidal coil  $PQRS$  is moving with constant velocity in a direction perpendicular to a uniform magnetic field as shown in the figure below.



At the instant shown, which of the following statements is correct?

- A** An induced current is flowing in the coil in the clockwise direction.
- B** An induced current is flowing in the coil in the anticlockwise direction.
- C** There is no induced current flowing in the coil.
- D** An electromagnetic force acts on the side  $PQ$  in a direction opposing its motion.