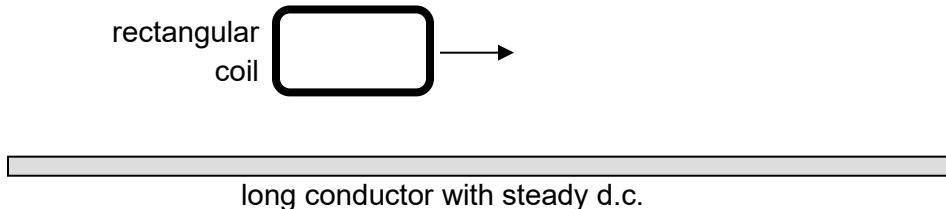


- 24 A rectangular coil moves in the direction parallel to a long straight current carrying conductor as shown below.



The conductor carries a steady direct current. Which of the following statements is true?

- A There is no induced current in the coil.
- B The induced current flows clockwise in the coil.
- C The magnitude of the induced current flows anti-clockwise in the coil.
- D The magnitude of the induced current in the coil varies proportionally to the speed at which the coil is moving.

