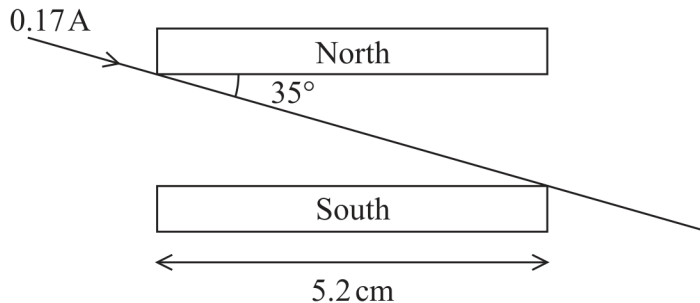


10 The diagram shows a current-carrying wire between two magnetic poles.



The magnetic flux density between the poles is 0.85 T.

Which of the following gives the force on the wire in newtons?

- ☐ A  $0.085 \times 0.17 \times 0.052$  into the page
- ☐ B  $0.085 \times 0.17 \times 0.052 \times \sin 35^\circ$  into the page
- ☐ C  $0.085 \times 0.17 \times 0.052$  out of the page
- ☐ D  $0.085 \times 0.17 \times 0.052 \times \sin 35^\circ$  out of the page

(Total for Question 10 = 1 mark)