SECTION B

Answer ALL questions in the spaces provided.

11	A copper	wire of radius	$0.40\mathrm{mm}$	carries a	a current	of 5.1A.

Calculate the drift velocity of the electrons in the wire.

number of charge	carriers	per m	³ for	copper =	8.5	×	10^2

(Total for Question 11 = 2 marks)

Drift velocity =