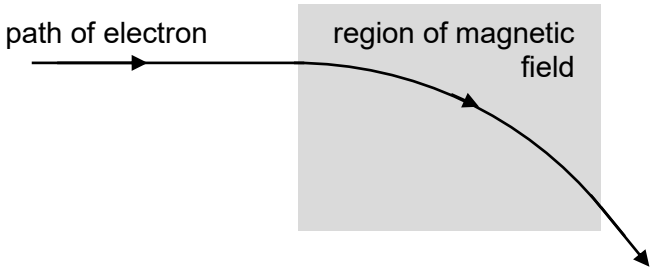
25 An electron, travelling in a vacuum at a speed of 4.5×10^6 m s^{-1}, enters a region of uniform magnetic field of flux density 0.012 T. The path of the electron in the field is a circular arc, as shown in the diagram below.



Which of the following options correctly describe the direction of the magnetic field and the radius of the path of the electron within the magnetic field?

	direction of the magnetic field	radius of the path of the electron in the magnetic field
A	into the paper	2.1 mm
B	into the paper	3.9 m
C	out of the paper	2.1 mm
D	out of the paper	3.9 m