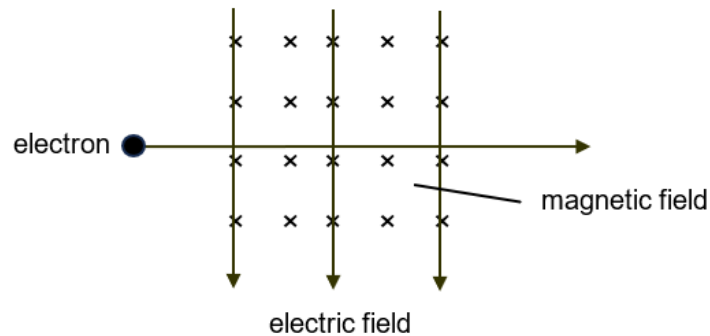


- 24** A beam of electrons enters a region in which there are magnetic and electric fields directed at right angles to each other and to the beam direction as shown below. The electron beam passes straight through without deflection.



A second beam of electrons travelling at half the speed of the first beam of electrons is then directed along the same line.

How is this second beam deviated?

- A** Upwards in the plane of paper
- B** Downwards in the plane of paper
- C** Out of the plane of the paper
- D** Into the plane of the paper