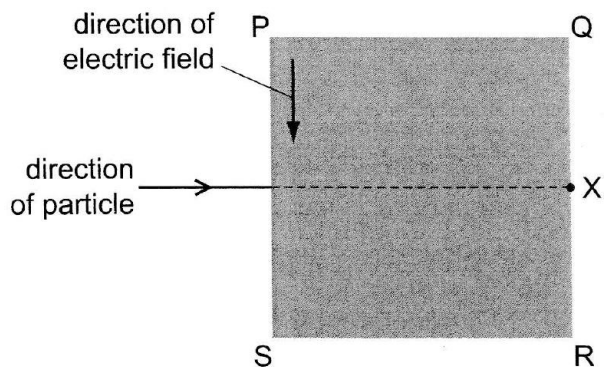


- 24** Positively charged particles move through a vacuum with constant velocity. The particles enter a region PQRS where there is a uniform electric field in the direction from P towards S.



A uniform magnetic field is also applied in the region PQRS and is adjusted in magnitude until the charged particles pass undeviated through the region PQRS, emerging at point X.

The strength of the magnetic field is now increased but its direction is not altered. In which direction are the particles now deviated?

- A** towards PQ
- B** towards SR
- C** into the plane of the paper
- D** out of the plane of the paper