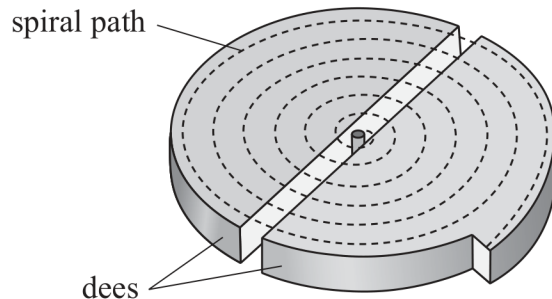


8 In a cyclotron, a charged particle is accelerated in a spiral path.



Which of the following increases as the radius of the spiral path increases?

- ☐ A The frequency of the alternating p.d. across the dees.
- ☐ B The magnetic flux density acting perpendicularly to the spiral path.
- ☐ C The potential difference between the dees.
- ☐ D The velocity of the charged particles.

(Total for Question 8 = 1 mark)