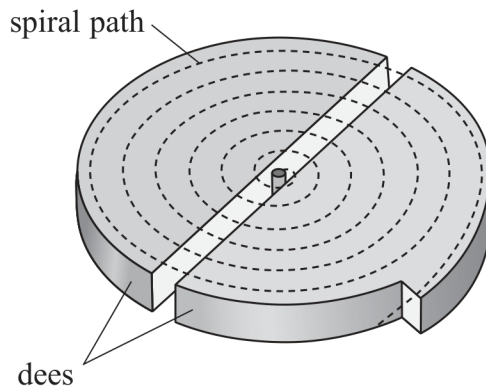


- 9 A charged particle is accelerated in a spiral path in a cyclotron.



Which of the following changes would increase the amount of energy transferred to the particle as it travels through 360° ?

- ☐ A increasing the distance between the dees
- ☐ B increasing the frequency of the potential difference across the dees
- ☐ C increasing the strength of the magnetic field within the dees
- ☐ D increasing the maximum potential difference across the dees

(Total for Question 9 = 1 mark)