potential differences (p.d.) applied between them.		
Which of the following is the reason the drift tubes are of increasing length?		
$\boxtimes$	A	So that the p.d. can have a constant frequency.
$\times$	В	So that the particle gains the same amount of energy in each tube.
$\times$	C	So that the p.d. between the tubes increases for each successive tube.
×	D	So that the time spent in each successive tube increases.

(Total for Question 8 = 1 mark)

A linac is a particle accelerator. It consists of drift tubes of increasing length with