

**26** A sinusoidal a.c. voltage has a peak value of  $V_0$  and a period  $T$ .

During which fraction of a cycle of this a.c. voltage can its magnitude change by  $2V_0$ ?

A  $\frac{T}{4}$

B  $\frac{T}{2}$

C  $T$

D  $2T$

**27** Electrical energy is transmitted from a power station to a sub-station by two overhead cables each