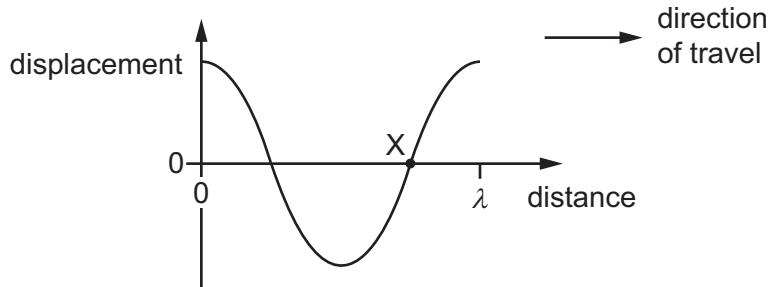


21 A transverse wave on a rope has wavelength  $\lambda$  and period  $T$ .

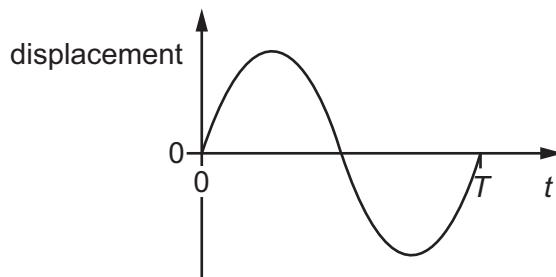
The graph shows the variation of the displacement of the particles of the rope with distance in the direction of travel of the wave at time  $t = 0$ .



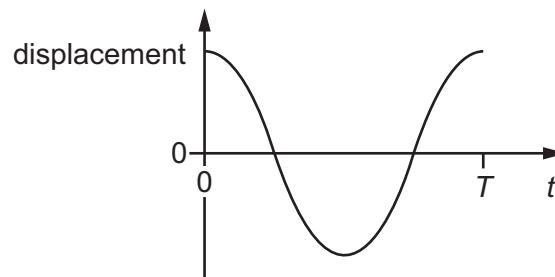
A particle X is labelled.

Which graph shows the variation of the displacement of particle X with time  $t$ ?

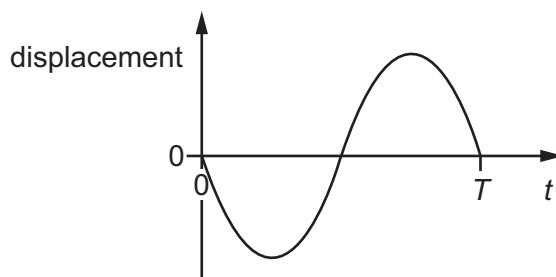
A



B



C



D

