

25 A stationary wave is set up on a stretched string.

The diagram shows the string at two instants of time when it has maximum displacement.



The oscillations of point P on the string have amplitude A .

What is the distance moved by P from the position shown in the diagram after half a time period of the wave?

A 0

B A

C $2A$

D $4A$

26 Which statement is an example of the diffraction of light?