

1. 0625/33/O/N/19/No.6

(a) Fig. 6.1 represents a transverse wave drawn full size. Point X represents a point on the wave.

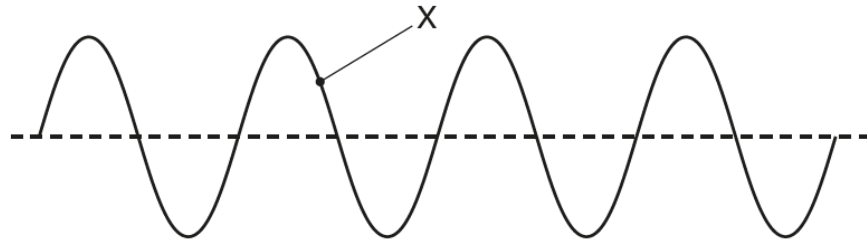


Fig. 6.1

(i) On Fig. 6.1, mark clearly the directions in which point X moves. [1]

(ii) Use Fig. 6.1 to measure the wavelength of the wave.

wavelength = cm [1]

(iii) The frequency of the wave is increased. Describe how the wave pattern in Fig. 6.1 would be different.

.....
..... [1]

(b) (i) Place a tick in a box next to any transverse wave.

- light
- sound
- radio

[1]

(ii) State a type of wave that **cannot** travel in a vacuum.

..... [1]

[Total: 5]