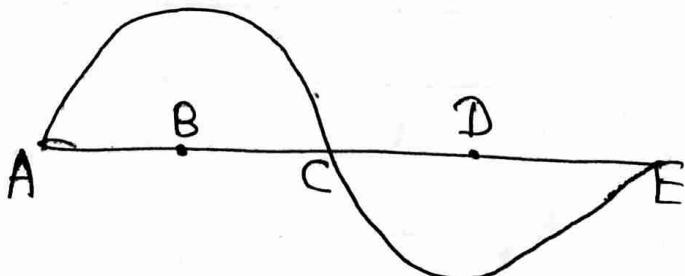Sound

① Note is a sound
   a) of mixture of severcal frequencies
   b) of mixture of 2 frequencies only
   c) of a single frequency
   d) always unpleasant to listen

② Sound travels in aire if
   a) particles of medium travel from one place to another
   b) therce is no moisture in the atmospherce
   c) disturbance moves
   d) both particles as well as disturbance travel from one place to anothere

③ When we change feeble sound to loud sound we increase its
   a) frequency   c) velocity
   b) amplitude   d) wavelength

④ In the curve, half the wavelength is

a) A B   c) D E

b) B D   d) A E

⑤ Sound travels with a speed of about 330 m/s. What is the wavelength of sound whose frequency is 550 Hz?

a) 6 m   b) 60 m   c) 0.6 m   d) 6 cm

Ans) $V = \lambda \nu$

$$330 = \lambda \times 550$$

$$\lambda = \frac{330}{550} = 0.6 \, m$$

⑥ One hertz is equivalent to –

a) one cycle per sec   b) one second

c) one meter per sec   d) one second per meter