

- 14 Fig. 14.1 shows the variation of velocity v with displacement x of a simple harmonic oscillator. The state of motion of point P is shown in Fig. 14.1.

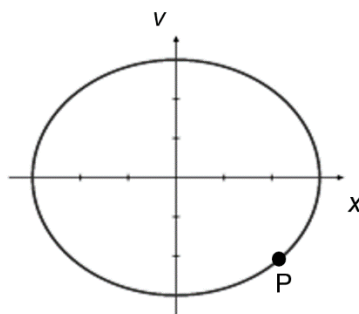


Fig. 14.1

Fig. 14.2 shows the variation with time t of the acceleration a of the oscillator.

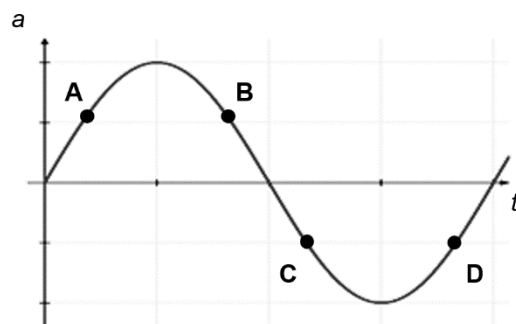


Fig. 14.2

Which of the points on Fig. 14.2 correspond to the state of motion represented by point P?