16 An object undergoes simple harmonic motion.
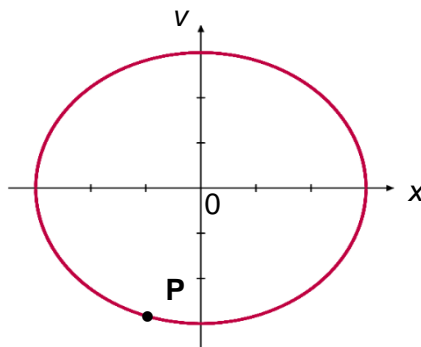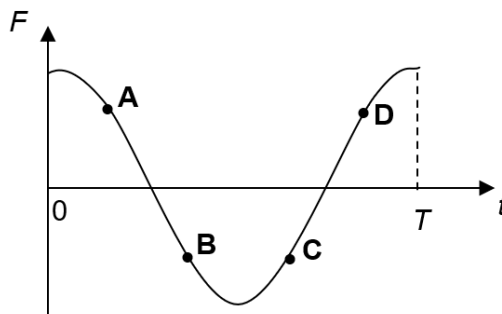
The variation with displacement x of the velocity v of the object is as shown. **P** is a position during the oscillation.

The variation with time t of the net force F acting on the object is as shown below. T is the period of the oscillation.

Which point on the graph corresponds to the state of motion at position **P**?