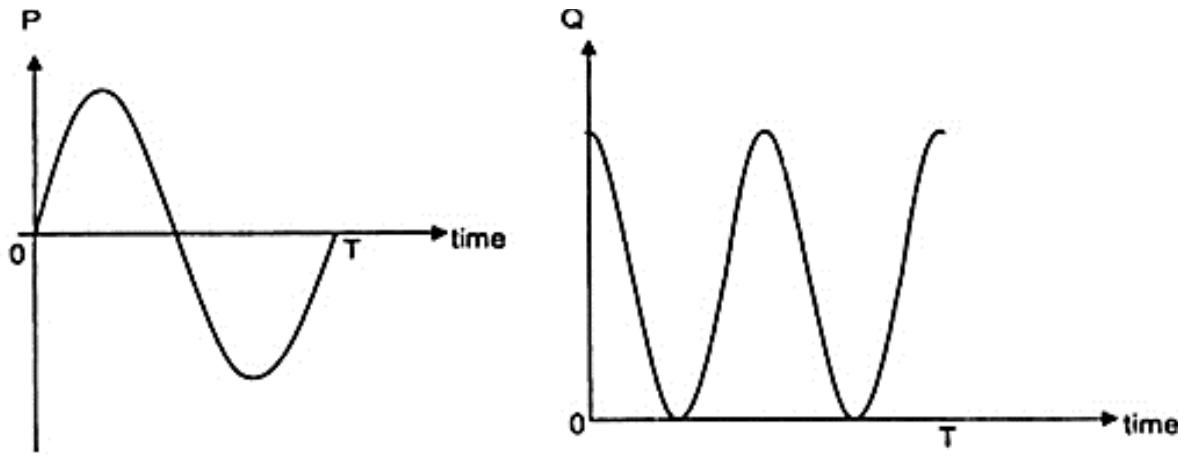


- 18 A particle executes simple harmonic motion with a period T . The graphs below show the variation of two quantities P and Q about the particle over the same time interval. Which is a possible pair of quantities that corresponds to P and Q?



- | | |
|-------------------------|------------------|
| P | Q |
| A velocity | kinetic energy |
| B acceleration | kinetic energy |
| C displacement | potential energy |
| D net force on particle | potential energy |