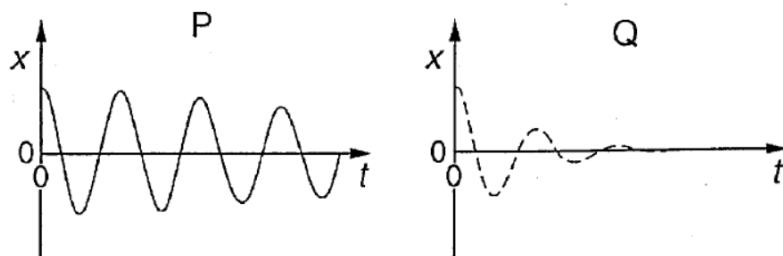


- 19 Two identical simple pendulums P and Q in different environments are given the same initial displacement and are then released.

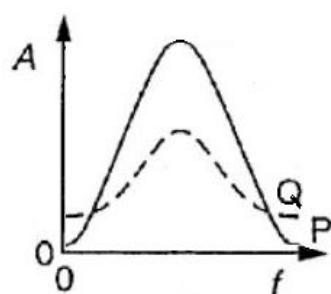
The graphs show the variation with time  $t$  of their displacements  $x$ .



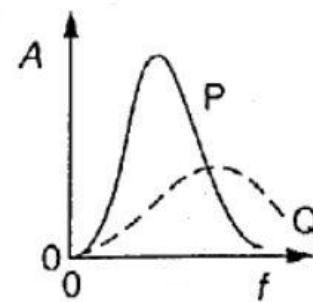
P and Q are then subjected to driving forces of the same constant amplitude and of variable frequency  $f$ .

Which graph represents the variation with  $f$  of the amplitudes  $A$  of P and of Q?

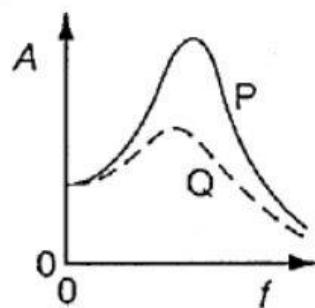
**A**



**B**



**C**



**D**

