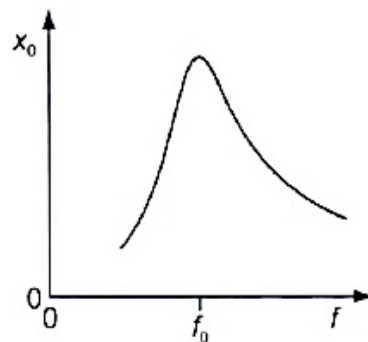
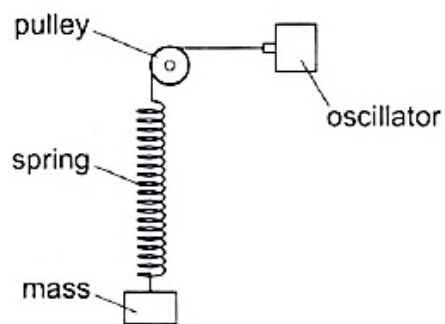


**15** A mass, suspended from a helical spring, is made to oscillate.

The graph shows the variation with frequency  $f$  of the amplitude  $x_0$  of vibration of the mass.



A sheet of cardboard of negligible mass is now fixed to the mass on the spring to cause light damping of the oscillations.

Which graph shows how  $x_0$  will vary with  $f$  over the same frequency range? The dotted line represent the original curve.

