A LCR circuit behaves like a damped harmonic oscillator. Comparing it with a physical spring-mass damped oscillator having damping constant 'b', the correct equivalence would be: (JEE MAIN 2020)

- $\triangle$  L  $\leftrightarrow$  k, C  $\leftrightarrow$  b, R  $\leftrightarrow$  m
- $\bigcirc$  L  $\leftrightarrow$  m, C  $\leftrightarrow$  k, R  $\leftrightarrow$  b
- $\bigcirc$  L  $\leftrightarrow$  m, C  $\leftrightarrow \frac{1}{k}$ , R  $\leftrightarrow$  b
- $\bigcirc$  L  $\leftrightarrow \frac{1}{b}$ , C  $\leftrightarrow \frac{1}{m}$ , R  $\leftrightarrow \frac{1}{k}$

