| 956350 5564542473 |
|----------------------------------------------------------------------------------------------------------------------|
| |
| In a series LCR resonance circuit, if we change the resistance only, from a lower to higher value : JEE MAIN 2021 |
| The bandwidth of resonance circuit will increase. |
| The resonance frequency will increase. |
| C The quality factor will increase. |
| The quality factor and the resonance frequency will remain constant. |
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3.

Option (a) As bandwidth $\propto R$ ($\Delta \omega = R$) $= \Delta S R T, bandwidth also T.$

Option the Resonance prequency is independent

(X) of R. So, doesn't T on (-' w= 1)

increasing the value of R. JLC

Option(c) AS Q X 1 (-'Q=1) [-'R]c)

(X)

AS RT, Q V.

Option de As we have seen in above options, (X) Q & and 'w' remains constant.