

- (a) $R = 20 \Omega$, L = 1.5 H, $C = 35 \mu F$.
- (b) $R = 25 \Omega$, L = 2.5 H, $C = 45 \mu F$.
- (c) $R = 15 \Omega$, L = 3.5 H, $C = 30 \mu F$.
- (d) $R = 25 \Omega$, L = 1.5 H, $C = 45 \mu F$.

5. For better tuning of ICR circuit, Quality factor

must be high.

Q = 1 [L

R \ C

On checking the above options by putting given values;

Option (C) (i.e. R = 15.R, L = 3.5H, C = 30 MF) given

the maximum value of Q.

=> Option (C) is the answer.