Jules' Workshop

Standard

Unit 8– QUESTIONS

Q3 What is resistance, reactance and impedance with regards to a tuned circuit? Explain their relationship.

Q7 What is the reactance of a series tuned circuit at frequency?

A. Low
B. High
C. Changes
D. Does not resonate.

Q8 What is the reactance of a parallel tuned circuit at frequency?

A. Low
B. High
C. Changes
D. Does not resonate.

Q9 What is the reactance of a parallel tuned circuit at any frequency outside of resonance?

A. Low
B. High
C. Changes
D. Does not resonate.

Q10 What is the reactance of a series tuned circuit at any frequency outside of resonance?

A. Low
B. High
C. Changes
D. Does not resonate.

Q11. Draw a series LCR tuned circuit.

Q12 Draw a parallel LCR tuned circuit.

Q13 What is the Q of a tuned circuit?

Q17 What is a filter and why are they used?

Q18 Describe the four basic filter configurations.

Q19 Draw a choke and describe what it is used for?

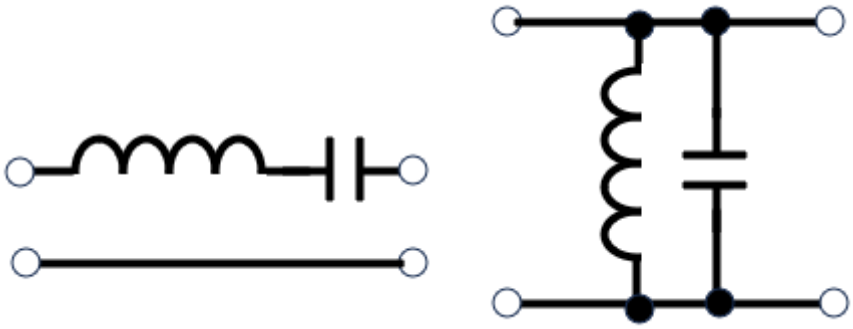
 © Jules Workshop 2026

Q20 What type of filter is a choke?

Q21 Describe where the cut-off point is for a filter.

Q22 What is a “T” and “π” configuration filter?

Q23 What is the characteristic of the filters shown below?



Q24 Draw the equivalent circuit for a piezo crystal and explain the parts.

 © Jules Workshop 2026