Jules' Workshop

Standard

Unit 12 – QUESTIONS

Q1 Why is feedback necessary in an oscillator?

Q2 What are the parameters that need to be controlled in an oscillator to maintain its stability?

Q3 What is a BFO?

Q4 What is a VCO?

Q5 What is a PLL?

Q6 Draw the block diagram of a PLL and name the parts.

Q7 What was the first oscillator in use and why was it called a tickler oscillator?

Q8 What is the main oscillating component in a Pierce oscillator?

Q8 How would you identify the following oscillators?

- Hartley
- Colpitts
- Armstrong
- Clapp
- Pierce

Q9 How would you make a PLL oscillator into a frequency synthesiser?

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