

Lesson 9 – 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?