

## **Lesson 19 – Question Bank**

### **[A] Answer the following in short**

1. Discuss the conductor, insulator and semiconductor.
2. What is doping?
3. What are intrinsic and extrinsic semiconductors?
4. Give the example of intrinsic and extrinsic semiconductors.

### **[B] Answer the following in detail**

1. Describe the information of energy band in solids and hence explain how it helps to classify the materials into insulator and conductor.
2. What is the difference between N and P type of semiconductors?
3. Discuss the donor and acceptors levels?
4. What is law of mass action?
5. How to determine the band gap of semiconductor?