

EDC Question Bank:

Unit II:

Part A:

1. Differentiate JFET and MOSFET.
2. What does UJT stands for? Justify the name UJT.
3. Draw the symbol and structure of UJT.
4. What is meant by negative resistance region of UJT?
5. What is intrinsic stand off ratio of a UJT?
6. Differentiate BJT and UJT.
7. Draw the two transistor model of SCR.
8. How does Triac differ from Diac?
9. Draw the characteristics of photo transistor.
10. Mention the types of opto-couplers.

Part B:

1. Explain the construction and operation of N-channel JFET with neat sketches and characteristics curve.
2. With the help of suitable diagram, explain the working of enhancement MOSFET. Draw and explain its VI Characteristics.
3. Describe the construction and working of UJT with its equivalent circuit and V-I characteristics.
4. With neat sketch, explain the construction, operation and characteristics of SCR.
5. Explain the construction and working principles of DIAC and TRIAC with neat sketches.
6. Explain the construction and working of phototransistor & optocoupler with neat sketches.