
Karimpur pannadevi college

4th Semester Internal assessment, 2020 (blended mode)

Sub:Physics Paper:H-CC-10 Full mark:20

- Answer any ten questions from the following below-. 2X10=20
 1. What is meant by an intrinsic and an extrinsic semiconductor?
 2. How does barrier field appear across a p-n junction?
 3. Mention some application of semiconductor diodes.
 4. Draw the characteristic curve of a forward and reverse biased p-n junction diode.
 5. Define the static resistance and dynamic resistance of p-n diode.
 6. What is avalanche breakdown ?
 7. What is Zener voltage?
 8. What is meant by voltage regulation?
 9. What do you know about photo diode?
 10. Draw the circuit diagram of a half wave rectifier?
 11. Why are junction transistors called bipolar devices(BJT)?
 12. What do you mean by static characteristics of a transistor?
 13. What is OP AMP?
 14. An ideal voltage amplifier has output resistance and input resistance.