

Mid Term Assignment

Subject Name: Applied Physics

Class: BS SE-1, CS-1

Instructor: M Khalid Hamid

Submission Date: 17/04/2020

Note: Attempt all Questions

Q1:

- a. Discuss the significance of the knee of the characteristics curve in forward Bias?
- b. What happens to the barrier potential when the temperature increases?

Q2:

- a. Compare the depletion regions in forward bias and reverse bias?
- b. When does reverse breakdown occur in a diode?

Q3:

- a. Find the difference between electric potential energy and electric potential?
- b. How to find the potential difference between any two points in the electric field lines?