

Submission Date: 12th October' 2012

Assignment 2

MICROELECTRONICS TECHNOLOGY (GEC-103)

- Q1. What is Diffusion? Explain the Fick's Laws of Diffusion?
- Q2. What is Lithography? Explain Electron Lithography?
- Q3. What is optical Lithography? Differentiate between positive and negative Photo-Resists?
- Q4. Illustrate the model of diffusion in solids with a neat diagram.
- Q5. a). Describe the Range Distribution theory
b). Describe the process for the cure of damage done by Ion Implantation.
- Q6. a). Explain the detailed process for metallization through CVD with proper diagrams.
b). Define Sputtering