## Semiconductor Devices Notes

Samyak Sheersh

September 19, 2023

## Contents

1 Basic Semiconductor Physics

1

## 1 Basic Semiconductor Physics

We start with covering the basics of quantum mechanics, and so, mandatorily, I have to type out the Schrodinger Equation(time-independent):

$$-\frac{\hbar^2}{2m}\nabla^2\psi + V(\vec{r})\psi = E\psi \tag{1}$$