Assignment 4

# Topic: Maxwell Equation, Resistance, Capacitance and Inductance.

# Text book: Fundamental of Physics by Halliday 9th edition

### Chapter 22

1. **Write** the four basic Maxwell equations. Both for DC and time varying fields.
2. **Define** Resistance, Capacitance and inductance along with its mathematical expression

### Chapter25

1. **Solve** the following examples given at the end of the chapter.
   1. Problem 1
   2. Problem 2
   3. Problem 3
   4. Problem 9
   5. Problem 10