Assignment 3

# Topic: Gauss’s law, Electric potential.

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

## Problems at the end of Chapter

### Chapter 22

1. **State** Gauss’s law and write its mathematical expression
2. **Define** Electric scalar potential and writes its mathematical expression.
3. **Solve** the following examples given at the end of the chapter.
   1. Problem 4
   2. Problem 5
   3. Problem 6
   4. Problem 44

Note: The assignment is to be submitted in groups. Students are also required to show individual assignments separately.