**Assignment 1**

**Submission deadline:** March 04, 2025

**Note:** Provide solutions of the following problems. Please provide the detailed and neat solution on pages of your choice.

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| **Problems** | **Page #** |
| **Sample Problem 21.01** | **616** |
| **Sample Problem 21.02** | **618** |
| **Sample Problem 21.04** | **620** |
| **Problems; 03, 08, 13, 14** | **625** |
| **Problems; 24, 26, 27** | **626** |

**Reference: Chapter 21,** Coulomb’s law**, Fundamentals of physics** / Jearl Walker, David Halliday, Robert Resnick—10th edition (extended).