**Physics Practice Problems**

Chapter 3: Motion in two and Three Dimensions

Exercise problems: 1, 2, 3, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 34, 35, 36, 37, 38, 39, 40  
Sample problems: 3.02, 3.03, 3.04, 3.05, 3.07

Chapter 4: Motion in two and Three Dimensions

Exercise problems: 2, 3, 6, 7, 11, 13, 14, 15, 16, 22, 23, 24, 25, 27, 28, 31, 33  
Sample problems: 4.01, 4.02, 4.03, 4.04, 4.05

Chapter 5: Force and Motion  
Exercise problems: 2, 3, 4, 5, 6, 7, 9, 10, 17, 19, 20  
Sample problems:

Chapter 15: Oscillations  
Exercise problems: 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 13  
Sample problems: 15.01

Chapter 16: Waves  
Exercise problems: 3, 4, 5, 7, 9, 10  
Sample problems:

Chapter 21: Electric Charge  
Exercise problems: 3, 4, 5, 6, 13, 15, 24, 25, 26, 27, 28, 37, 41, 42  
Sample problems: 21.01, 21.02, 21.03, 21.04  
   
Chapter 22: Electric Fields  
Exercise problems: 3, 5, 7, 11, 14, 20, 22, 42, 44, 47  
Sample problems: 22.01, 22.02 ,22.04  
  
Chapter 23: Gauss’s Law               
Exercise problems: 19, 21, 22, 24, 25, 27, 28, 30, 31, 36, 41, 45, 46, 47  
Sample problems: 23.01, 23.02, 23.03, 23.04, 23.06, 23.07

Chapter 25: Capacitance  
Exercise problems: 1, 2, 3, 4, 6, 8, 9, 10, 11, 12, 13, 14, 15  
Sample problems: 25.01, 25.02, 25.03, 25.06  
   
Chapter 26: Current and resistance  
Exercise problems: 1, 2, 4, 5, 7, 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 23, 29, 31, 32  
Sample problems:  26.02, 26.04  
  
Chapter 28:                                        
Exercise problems: 1, 3, 4, 5, 13, 14, 21, 23, 24, 25, 39, 40, 41, 42, 45  
Sample problems: 28.01, 28.03, 28.05, 28.06  
   
Chapter 29:   
Exercise problems: 1, 3, 35, 36, 45, 43, 49, 51, 52, 53  
Sample problems: 29.03, 29.04