

## Suggested points and problems

*Note: This list is intended only for practice. The exam question could be similar, but would not be form this list.*

The following chapter, problem number, etc refers to the 9th edition (Ex.) of the Resnick, Halliday and Walker's book.

Legend: CP=check point, SP=sample problem in the book (solved problems) on a particular page, Pr=unsolved problems in the book at the end of the chapter.

### **Chapter 2:**

SP: P21, P26.

CP: 2, 5.

Pr: **5, 15, 18.**

### **Chapter 3:**

SP: P42, P45, P49, P52.

CP: 1, 2, 3, 4, 5.

Pr: **9, 15, 17, 30, 35, 36, 37, 50.**

### **Chapter 4:**

SP: P59, P62, P63, P69.

CP: 1, 2, 3, 4.

Pr: **11, 14, 16, 26, 27, 28, 32, 43.**

### **Chapter: 5:**

SP: P93, P94, P100, P104.

CP: 1, 2, 3, 4, 5.

Pr: **9, 13, 17, 34, 50, 53, 55, 57, 67.**

### **Chapter: 6:**

SP: P125.

CP: 1, 2.

Pr: **5, 10, 16, 23, 27, 47, 57, 70, 88.**

### **Chapter 7:**

SP: P145, P146, P148, P151.

CP: 1, 2, 3.

Pr: **1, 11, 15, 19, 24, 61.**

**Chapter 8:**

SP: P170, P175, P182, P186.

CP: 1, 2, 3, 4.

Pr: **6, 22**, 29, 48, **53, 57**, 62.

**Chapter 9:**

SP: P214, P216, P220.

CP: 3, 4, 5, 6, 7, 8, 9.

Pr: 33, **38, 45**, 46, 58, **60**, 61, **72, 74**, 85, 101, 102.

**Chapter 10:**

SP: P244, P246, P248, P256, P261, P264.

CP: 1, 2, 3, 4, 5, 6, 7.

Pr: 6, **14**, 30, **41**, 45, **51**, 52, 53, 71, **104**.

**Chapter 11:**

SP: P280, P285, P293.

CP: 1, 2, 3, 4, 5, 6.

Pr: 7, 9, 11, 15, **25**, 27, 29, **37**, 41, **54**, 55, 66.

**Chapter 12: (Elasticity)**

SP: P317.

Pr: **43**, 50, 72.

**Chapter 13:**

SP: P334, P337, P342, P344, P346.

CP: 1, 2, 3, 4, 5.

Pr: **8**, 14, 23, **37, 40**, 43, 45, 50, 53, 56, **63**, 64.

**Chapter 14:**

SP: P361, P364, P370, P373, P76.

CP: 1, 2, 3, 4.

Pr: **4**, 10, 14, 28, **32**, 34, **41**, 44, **48**, 71.

**Chapter 15:**

SP: P391, P392, P395, P398.

CP: 1, 2, 3, 4.

Pr: 6, 9, **13**, 22, 24, 35, **106**.

**Chapter 16:**

SP: P418, P419.

CP: 1, 2, 3, 5, 6.

Pr: 5, **9**, 10, **17**, 45, **53**, 57, **65**, 67, 87.

**Chapter 17:**

SP: P459, P464.

CP: 2, 3, 4.

Pr: 7, 11, **55**, 56,

**Chapter 18:**

SP: P481, P483, P487, P488, P497

CP: 1, 2, 3, 4, 5, 6, 7.

Pr: 7, 11, 12, **24**, 39, **43**, 47, 50, **58**, 59, 63, **95**