

PART 2:

Automata:

PDA

Formal Language:

Context-Free Languages

Non-Context-Free Languages

Grammar:

Context-Free Grammars

Context-Free Grammars

Readings

Chapter 11:

Sections

11.1

11.2

11.3

11.6

11.7

11.8

Exercises

Chapter 11:

1 - b

2

3

6 – e & i

8

9

10

Pushdown Automata

Readings

Chapter 12:

Sections

12.1

12.2

12.3

12.4

12.5

12.6

Exercises

Chapter 12:

1 – c & j
4

Closure Properties & Pumping of CFLs

Non-Context-Free Languages

Readings

Chapter 13:

Sections

13.1

13.2

13.3

13.4

Exercises

Chapter 13:

1 – a & j & q
3

Algorithms and Decision Procedures for Context-Free Languages

Readings

Chapter 14:

Sections

14.1

14.2

14.3

Exercises

Chapter 14:

1 - a

HW #2

- **Chapter 11:** Exercise #1-(d), #6-(a) and #8.
- **Chapter 12:** Exercise #1-(a), #1-(e) and #1-(h).
- **Chapter 13:** Exercise #1-(b), #1-(g) and #1-(i).
- **Chapter 14:** Exercise #1-(e).