

## **Topics for final exam (2019)**

My dear students, following topics are included in Final exam.  
There are also the PDF files of the lectures.

### **Chapter 05**

Exercise 5.1

Example 5.1-1

Problem Set 5.1A<sup>2</sup>: 1, 2

Exercise 5.3

Example 5.3-1. 5.3-2, 5.3-3, 5.3-4

Problem Set 5.1A: 1

### **Chapter 06**

Exercise 6.5

Example 6.5-1

Problem Set 6.5 A: 1, 2, 3

### **Chapter 10**

Example 10.3-3

Problem Set: 10.3 C Q1

(Questions of Replacement model in PDF file)

### **Chapter 11**

Definitions on page 428 & 429

Example 11.4-1

Problem Set 11.4 B: Q1, 3

### **Chapter 13**

Define

1. Players
2. Strategy
3. Pure strategy
4. Mix strategy
5. Minimax/ Maximin principle
6. Value of the game
7. Saddle point
8. Zero-sum game

Example: 13.4-1, 13.4-2, 13.4-3

Problem Set 13.4A: Q1, 2, 3, 4

Problem Set 13.4B<sup>4</sup>: Q1, 3, 4

Dominance Property in Game theory

(All the PDF files related to game theory)

### **Chapter 14**

Example 17.1-1, 17.1-2, 17.1-3

Definitions on page 646

Q1: Define Markov Chain.

Q2: Classify the states in Markov Chain with example and give the graphical representation of it.

**Analysis of absorbing state in Markov Chain:**

Topic 17.6, page 658

(The PDF file for practice question of Markov Chain)