



Sirindhorn International Institute of Technology Thammasat University

Midterm Examination: Semester 1 / 2013

Course Title: ECS315 (Probability and Random Processes)

Instructor: Asst. Prof. Dr.Prapun Suksompong

Date/Time: August 1, 2013 / 9:00-12:00

Instructions:

- This ~~part of the~~ examination has.....12.....pages (including this cover page).
- Conditions of Examination:
 -✓ **Closed book**
 - (No dictionary, No calculator Calculator (e.g. FX-991MS) allowed)
 -Open book
 -Semi-Closed book (.....sheet(s) 1 page both sides of A4 paper note)
- **Read these instructions and the questions carefully.**
- Students are not allowed to be out of the examination room during examination.
Going to the restroom may result in score deduction.
- Turn off all communication devices and place them with other personal belongings in the area designated by the proctors or outside the test room.
- Write your name, student ID, section, and seat number clearly in the spaces provided on the top of this sheet. Then, write your **first name and the last three digits of your ID** in the spaces provided on the top of each page of your examination paper, starting from page 2.
- The examination paper is not allowed to be taken out of the examination room. Violation may result in score deduction.
- Unless instructed otherwise, **write down all the steps** that you have done to obtain your answers.
 - You may not get any credit even when your final answer is correct without showing how you get your answer.
 - Exception: The 1-pt questions will be graded on your answers. For these questions, because there is no partial credit, it is not necessary to write down your explanation.
- When not explicitly stated/defined, all notations and definitions follow ones given in lecture.
- Some points are reserved for *accuracy* of the answers and also for reducing answers into their *simplest* forms.
- Points marked with * indicate challenging problems.
- Do not cheat. Do not panic. Allocate your time wisely.