



Sirindhorn International Institute of Technology Thammasat University

Final Examination: Semester 2 / 2012

Course Title: SCS139 (Applied Physics II)

Part B: Magnetism

Instructor: **Dr.Prapun Suksompong**

Date/Time: February 28, 2013 / 13:30-16:30

Instructions:

- This part of the examination has....5....pages (including this cover page).
- Conditions of Examination:
 -✓.....Closed book (No dictionary, No calculator Calculator allowed)
 -Open book
 -Semi-Closed book (.....sheet(s) 1 page both sides of A4 paper note)
- Some formulas and constants are provided on a separate sheet.
- **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 (mobile phone, etc.) and leave them at the front of the examination room.
- Write your name, student ID, section, and seat number clearly on this sheet. Then, write your **first name and the last three digits of your ID** on the top of each page of your examination paper, starting from page 2.
- The space at the back of each page can be used if necessary.
- 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.
- 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.