



The 11th Asian Physics Olympiad
Taipei, Taiwan
Experimental Competition
Tuesday 27 April 2010

Please read this first:

1. The time available is 5 hours. There are two experiments with 10 marks each.
2. Use only the pen provided.
3. There are two color-labeled envelopes placed inside a big envelope on your desk. Each color-labeled envelop contains **Question** papers, **Answer** sheets, **Graph** papers, and **Writing** sheets for one experiment.
4. Use only the front side of *writing sheets*. Write only inside the boxed area.
5. The *writing sheets* for different experiments are labeled in different colors.
6. For each experiment, in addition to the *blank writing sheets*, there are *answers sheets* where you must summarize the results you have obtained. Numerical results should be written with as many digits as appropriate.
7. Write on the blank *writing sheets* whatever you consider is required for the solution of the experiment. Please use as little text as possible; express yourself primarily in equations, numbers, figures, and graphs.
8. Fill the boxes at the top of each sheet of paper with your **Student Code**, the consecutive number of each sheet (**Page Number**), and the **Total Number** of *writing sheets* including *graph papers* used for each experiment. If you use some blank *writing sheets* for notes that you do not wish to be marked, put a large X across the entire sheet and do not include it in your numbering.
9. The student who receives question papers and answer sheets in English and his (or her) native language can summarize his (or her) answer in either answer sheet but must return the unused one according to the description #10 below.
10. At the end of the exam, arrange all sheets for each experiment *in the following order*:
 - *Answer Sheet(s)*
 - used *Writing Sheets* in page-numbering order
 - *Graph paper(s)* (if any)
 - the sheets you do not wish to be marked (with a large X put across the entire sheet)
 - unused sheets
 - the printed question

Place the papers of each experiment inside their specific color-labeled envelope and then place all two color-labeled envelopes inside the big envelope. Leave everything on your desk. You are not allowed to take *any* sheets of paper out of the room.