Answer each question clearly and neatly. Type (wordprocess) the answer to questions. Typed answers to individual questions may be no more than 2 pages each, double spaced with 1” margins. If I cannot read your answer or understand your grammar, or if you provide multiple answers, the answer will be wrong. Each question is worth 25 points.

You may have notes, books or other reference materials that you desire. However, you must do the exam alone. This exam is due by 7:30 pm on Monday, May 8, 2016. Turn in hard copy of the exam — do not email the exam to me.

1. User involvement is important for the success of computer systems
   a. Describe multiple ways the user can contribute and how the computer project will benefit from this involvement. Be specific.
   b. Suggest what problems might arise in a project:
      i. with insufficient user participation; or,
      ii. with excessive user involvement. Be specific.

2. Consider your use of the Internet.
   a. List the tangible costs and benefits of your use of the Internet. Based only on this list, is your use of the Internet cost-effective? Why or why not? YES, I want REAL, specific numbers.
   b. List the intangible costs and benefits from Internet use. When you add intangible costs and benefits to the list, is your cost-benefit analysis consistent with that in part a? Explain.

3. Arch Ives, a newly hired systems analyst, has come to you with an idea that he assures you will save the team time and money. Arch proposes that rather than doing time-consuming interviews, that the team rely upon archival data. “They’ve kept everything. They even have their old reports from earlier systems projects. We don’t have to talk with anyone, we can access the material all day, without seeing a soul.”

   List the merits and problems with what Arch proposes. Would you take his advice? Why or why not? Be specific.

4. Explain how Agile techniques for systems analysis and design are different from the structured or object oriented methodologies we discussed this semester. Discuss the advantages and disadvantages of the methods and the conditions under which you would use them.