

**University of Toronto**  
**Faculty of Applied Science and Engineering**  
**Final Examination, December 2001**  
**APS 302 – Engineering, Society and the Environment II**  
**Examination Type A**

**Examiner:** N. Khan

**Instructions:** You must answer **all 4** questions. Please answer Part A in a separate booklet from Part B. All questions are of equal value. This exam is worth 50% of the final grade.

**Part A**  
**(Answer both questions)**

1. Culture makes technique possible, but technique poses a threat to culture. Discuss.
2. Can the bodily presence required for acquiring skills in various domains and for acquiring mastery of one's culture be delivered by means of the internet? Explain why or why not.

**Part B**  
**(Answer both questions in second booklet)**

3. What is the relationship between knowledge separated from experience (KSE), technique and high commodity potential (HCP)?
4. What kind of cultural pre-conditions must prevail before the perspectives of high reliability theory can become effective? What are the objections to these cultural pre-conditions?