TU-91.123 Strategic Management of Technology and Innovation

14.12.2005

PART 1

- 1. Please provide the correct definitions for the following terms. Each definition is worth 2 points. (8p)
- a) Dominant design
- b) Systemic innovation
- c) Triple Helix Model
- d) Spillover effect
- 2. Please, present a typology of adopter categories introduced by Everett Rogers. (8p)
- 3. Please describe different types of collaboration in the pursuit of innovations. What are the different advantages and disadvantages for each option? (8p)
- 4. New product development teams. (10 p total)
- a) What are issues that need to be considered when constructing new product development teams? (4p)
- b) Please, describe the characteristics of the different product development team types defined in the course book (functional, lightweight, heavyweight, autonomous). (6p)
- PART 2. Please, choose two of the following five questions.
- 5. Mr. David Ing presented four myths related to services. Which are they and why are they myths? (8p)
- 6. Professor Markku Maula discussed the topic of corporate venturing. What are the benefits and drawbacks for corporations and ventures in corporate venturing? (8p)
- 7. Dr. Martin Meyer talked about the use of patent indicators. What are the advantages and disadvantages of patent indicators? (8p)
- 8. What are the factors influencing the optimal timing of entry for an innovation? (8p)
- 9 What are the differences between wholly proprietary systems and wholly open systems? What are the advantages and disadvantages of these systems? (8p)