

S-38.3001 Telecommunications Forum

Exam book: Creative Destruction (eds. Lee W. McKnight, Paul M. Vaaler, Raul L. Katz)

The results of this examination will appear as passed/failed. Each question is worth max 6 points. Answers can be written in English, Finnish, or Swedish. Answers must be short and concise, max 4 pages total per student!

1. Based on the invited lectures answer each of the following questions
 - a. The Double Helix model: what are the six forces (identified by Fine) pushing the industry structure toward vertical vs. horizontal configuration? (by Jarkko Vesa)
 - b. Draw the high-level architecture of a cellular handset device (by Yrjö Neuvo)
 - c. eTOM standard: how does FAB (fulfillment, assurance, billing) relate to the layered management model of telecom resources? (by Kari Pasonen)
 - d. What are the four levels of radio network sharing? (by Ilari Anttila)
 - e. According to the Nokia 360 panel study what percentage of users don't turn the mobile phone off during night? (by Jan Feller)
 - f. What are the national peculiarities in the Finnish legislation on confidentiality compared to the rest of Europe? (by Kristiina Pietikäinen)
2. How can the beneficial spillovers justify the creative destruction? What is the effect of creative-destruction externalities on the innovative activity? (Innovation and Creative Destruction by William J. Baumol)
3. What are the main pros and cons of the Japanese style creative destruction. (Social Communications Innovation and Destruction in Japan by Leslie Helm)
4. Explain the four alliance architecture models. Give a real world example of each model. (Alliance Enterprise Strategies Destroying Firm Boundaries by Peter Pekar)
5. Briefly describe the main trends of vertical integration in the Internet industry structure. What are the underlying assumptions for these trends? (A New Theory of the Internet Firm by William Lehr)