

T-110.5110 Computer Networks II

xx.yy.2007 Example Examination

Choose 3 of the 4 topics below and write essays on them. Each topic has additional questions that should be considered in your essay. Discuss other relevant issues as well. Remember to consider what is important and what is not when writing your essay. You may write your essays in Finnish, Swedish, or English.

Remember to include the following information in your paper: the course name, date, student ID, name, and signature.

1. Policy Enforcement

Briefly consider the motivation for policy enforcement in networks and on the Internet. Explain the role of PDPs and PEPs. Please consider Radius, Diameter, and DiffServ.

Grading: Total 6 points

PDP, PEP, Radius, Diameter, Diffserv, synthesis each 1 point and if very good treatment of particular topic or good synthesis more points can be given.

2. Congestion control in transport protocols

Explain principles of congestion control in transport protocols. Consider TCP, DCCP, and SCTP.

Grading: Total 6 points

Motivation for congestion control, 1 point
Principles of congestion control, 1 point
DCCP summary, 1 point
SCTP summary, 1 point
Comparison/synthesis, 2 points

3. Question number three.

4. Question number four.