

S-72.423 Exercise 5.

Return your answer no later than Tuesday 2.12.2003, 16:00 into the course's P.O. box at the third floor of the E-wing (Otakaari 5).

Please, include the following information in your answers:

- *Your name*
- *Your student number*

It may be that you won't find answers to the questions straight from the lecture material. You have to look for information from the Internet and textbooks. Good luck for information search!

1. Internet Protocols Application-Layer Protocols

List the higher layer internet protocols and the applications they support.

2. IP Routing

Describe IP routing in few sentences.

3. Transmission Control Protocol (TCP)

Describe the TCP connection establishment.

4. TCP packet format

Show in a figure the TCP packet format and describe the fields that comprise it.