

Written Exam at the Department of Economics winter 2016-17

**Telecommunications Economics**

Final Exam

22.12.2016

(3-hour closed book exam)

Please note that the language used in your exam paper must correspond to the language for which you registered during exam registration.

**This exam question consists of two pages in total**

*NB: If you fall ill during the actual examination at Peter Bangsvej, you must contact an invigilator in order to be registered as having fallen ill. Then you submit a blank exam paper and leave the examination. When you arrive home, you must contact your GP and submit a medical report to the Faculty of Social Sciences no later than seven (7) days from the date of the exam.*

Answers are wanted for both questions.

A.

Give a qualitative description of the different sources of revenue in the ICT sector. Explain the value chain in the ICT sector and present the challenges regarding how to obtain revenue seen from the viewpoint of the

- telecom operators
- the so-called OTT players (Over-The-Top players)
- the content providers.

Discuss possibilities for obtaining positive profit in the ICT sector.

B.

Present the main characteristics of IPv4 and IPv6. Describe the challenges and incentives regarding the transition from IPv4 to IPv6 on a global scale for the different players in the ICT sector and for companies in sectors that make use of ICT. How can this process be governed?

NB. Relevant for both questions for the answers written in Danish: English terms for the different concepts are accepted.