

## Puu-28.3015 Sawmilling and Sawnwood Products

*Examination 2<sup>nd</sup> February 2010*

*Answer all questions. 10 marks for each question*

1. Write short (1-2 lines) answers to the following, using diagrams or illustrations where appropriate:

- I. Give examples of two (2) levels of “value adding”
- II. In wood drying, what is meant by “collapse”
- III. Give two (2) examples of the “base data” needed in the short-term production planning of a sawmill
- IV. Draw and label a schematic flow diagram of a sawmill
- V. Describe what is meant by “redwood” and “whitewood”

2. Write an essay on the multistage production planning of a sawmill

3. Measuring drying quality: give at least 3 examples

4. Describe different measurement technologies which are used during the sawing process.

5. Write a short essay (1-2 pages) describing how value adding can be achieved from a producer's perspective (*Note: you might like to base your answer on one of the 'case studies' presented by Duncan Maves (Stora Enso Timber) in his lecture*)