

Puu-28.3015 Sawmilling and Sawnwood Products

Examination 14th December 2009

Answer all questions. 10 marks for each question

1. Explain briefly (1-2 lines), using diagrams or illustrations where appropriate, the following:

- I. List the main steps in the manufacture of sawnwood
- II. "Value adding"
- III. What is meant by "STP" and "LTP"
- IV. "High temperature drying"
- V. How is X-ray technology used in sawmilling?

2. Write a short essay (1 page max.) about the multistage production planning of a sawmill

3. List and describe different features of drying quality and explain, giving 3 examples, where poor quality may be a problem in certain applications

4. Explain why measurement technologies are needed?

5. List levels of value adding described in Duncan Mayes (SET) lecture and briefly describe each

1. I
1. CUT THE ~~WOOD~~ TREE
 2. ~~UNBARK~~ BARK THE TREE, REMOVE BRANCHES
 3. SAW THE WOOD
 4. DRY THE WOOD
 5. SELL THE WOOD TO THE CARPENTERS