

Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Science and Technology
300 level 2nd Semester Examination –Dec. 2017-Jan. 2018
SCT 386-1 Wood and Wood based Products Development



Instructions to candidates

Duration: One (01) hour

Number of questions: Three (03) essay questions

Answer all questions

Mark allocation: 100

1.
 - a. The wood formed by hardwoods is much different from that produced by softwoods. Discuss the differences between Hardwood and Softwood Xylem.
 - b. Discuss factors affecting the strength of wood.
 - c. What are the functions of Tyloses?.

(35 mark)
2.
 - a. What are tension and compression wood?
 - b. Wood is called a "hygroscopic material". Elaborate and analyse this statement.
 - c. Describe factors affecting the strength of lumber.

(35 mark)
3.
 - a. Describe different methods of drying lumber.
 - b. Discuss the importance of moisture content of green wood.
 - c. List properties of an ideal wood preservative.

(30 mark)