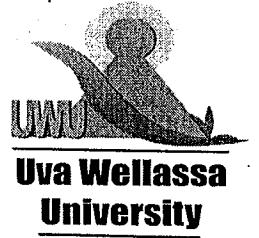


Uva Wellassa University, Sri Lanka  
Faculty of Science and Technology  
Science and Technology Degree program



*SCT* End Semester Examination – March/ April 2013  
STC.327-2 Wood and Wood based Product development Techniques

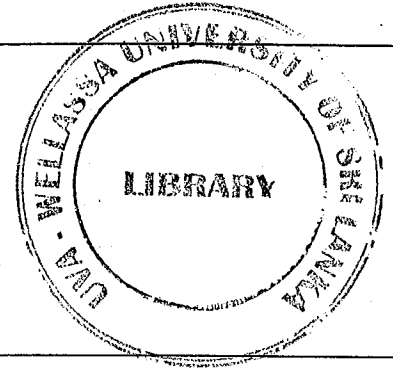
Instructions to candidates

Answer Four (04) questions only

Number of questions: Five (05)

Time allocation: Two (02) hours

Total marks allocated: 100



(1) Write notes on the followings.

(a) Major components of conventional steam heated kiln.

(b) Kiln drying schedules

(c) Timber seasoning defects.

(25 marks)

(2) Suppose that you have been nominated as a consultant to prepare timber identification key for Sri Lankan Timber species. What anatomical properties of wood do you study?

Explain with diagrams.

(25 marks)

(3) Write an essay on Sri Lankan timber industry.

(25 marks)

(4) Explain the followings

- (a) How hard wood is differentiated from softwood?
- (b) Explain how timber density is determined.
- (c) Explain the difference between Fiber Saturation Point (FSP) of wood and Equilibrium Moisture Content (EMC) of wood.

*(25 marks)*

(5) Write short notes on the followings.

- (a) Timber destroying agents
- (b) Type of wood preservatives
- (c) Application of wood preservatives.
- (d) Preparation of timber for preservation.
- (e) Characteristics of wood preservatives.

*(25 marks)*