



Uva Wellassa University  
Faculty of Animal Science & Export Agriculture  
BSc in Palm & Latex Technology & Value Addition



End Semester Examination – September / October 2013  
Year III Semester II

**Rubber Processing Technology II (PLT 345-3)**

**Instructions**

Answer all questions

No. of questions : One (01)

No. of pages : Two (02)

Time : One & half hours

Total marks allocated : 50%

**Index No:**

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**Part II – Essay**

**Question 01**

- I. Write a short note on the rubber phase of fresh natural rubber latex. (20 marks)
- II. Describe briefly the dry coagulant dipping process. (20 marks)
- III. State the five operations involved in the latex thread manufacturing process. (10 marks)

**Question 02**

- IV. Write a short account on the synthetic rubber, styrene-butadiene rubber (SBR). (20 marks)
- V. List the physico-mechanical property requirements of bicycle tubes. (10 marks)
- VI. Write down a rubber compound formulation suitable to produce tyre treads indicating the purpose of addition of each of the ingredients given in the formulation. (20 Marks)