

**Uva Wellassa University**  
**Faculty of Animal Science & Export Agriculture**  
**B.Sc. in Palm & Latex Technology and Value Addition**



**Year II Semester II**  
**End Semester Examination – January/February 2016**

**Advanced Crop Physiology (PLT 251-2)**

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**Instructions**

Answer all questions.

No. of questions : Two (02)

No. of pages : One (01)

Time : One hour (01 hr)

Total marks allocated : 60%

**Index No:**

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**Part II – Essay**

**Question 01**

**(50 Marks)**

- 1.1 Briefly discuss about the adverse effects of drought stress on coconut palm giving emphasis on major physiological and biochemical changes. (20 Marks)
  
- 1.2 Briefly discuss about the anatomical and physiological mechanisms adopted by the coconut palm under drought conditions. (30 Marks)

**Question 02**

**(50 Marks)**

- 2.1 Briefly discuss about the anatomical, physiological and environmental factors affecting latex and rubber yield. (25 Marks)
  
- 2.2 Briefly discuss about the “Yield stimulation” in rubber, giving special emphasis on different stimulants available, positive and negative effects associated with yield stimulation and factors to be considered in applying yield stimulants. (25 Marks)