



Uva Wellassa University  
Faculty of Animal Science & Export Agriculture

BSc. in Palm & Latex Technology and Value Addition

End Semester Examination September/October 2013  
Year III Semester II



**Industrial Waste Management (PLT 346-0)**

**Instructions**

Answer only one question

No. of questions : Two (02)  
No. of pages : One (01)  
Total marks allocated : 50 %  
Time : 30 minutes

Index No:

**Part II: Essay**

**Question 01**

- I. State the waste management hierarchy applicable for any industry/industrial process.
- II. List out the waste minimization applications and potential cleaner production (CP) options to reduce the waste generating from "Industrial Glove manufacturing" process
- III. What are the most suitable treatment technologies/final disposal options applicable for the solid waste generated from the Industrial Glove manufacturing process?
- IV. Discuss the procedure to be followed in the management of hazardous waste (scheduled waste) generated from the "Industrial Glove manufacturing" process.

(50 marks)

**Question 02**

- I. State all the material inputs and outputs (raw material input/chemical additions, product output and all the other waste material/waste streams) of the Desiccated Coconut manufacturing process with the aid of a process flow diagram. All the waste streams should be clearly labeled or highlighted
- II. List the potential pollutants emitted with the respective waste streams and associated pollution parameters of the same
- III. Briefly describe the potential waste minimization opportunities/cleaner production (CP) options that can be implemented in order to reduce the waste releasing to the environment
- IV. Briefly describe the most applicable treatment technologies for the treatment of wastewater generated from the desiccated Coconut manufacturing processes.

(50 marks)