



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



End Semester Examination – March/April 2013  
Year II Semester I

Engineering Principles in Palm & Latex Industry (PLT 231-2)

**Instructions**

Answer **all** questions

No. of questions : One (01)

No. of pages : One (01)

Time : Twenty (20) minutes

Total marks allocated : 20 %

Index No:

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**PART III - Essay**

**Question 01**

I. Write **short notes** on;

- a) Free Body Diagram (10 marks)
- b) Rule of continuous flow (10 marks)
- c) Bernoulli's Theorem of energy conservation of fluids (10 marks)

I. Following is a diagram of a manometer attached to a pipe with flowing water. Calculate the pressure at the centre (A) of the pipe, if the atmospheric pressure is equal to 500mmHg. (15marks)

