



**Uva Wellassa University  
Faculty of Animal Science & Export Agriculture**

**BSc in Palm and Latex Technology and Value addition**

**End Semester Examination February/ March 2012  
Year II Semester I**



**Basic Analytical Chemistry (TEA 233-2) Repeaters Only**

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**Instructions**

Answer all questions

No. of questions : 02

No. of page/s : One (01)

Time : 01 hour

Index No: .....

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**Part III: Essay**

- (1) i. Write down Beer's law and define all the terms in the equation. (25 marks)
- ii. Discuss how you would develop above relationship for the followings;  
A) Construction of a calibration curve (50 marks)  
B) Determination of unknown concentration of an analyte?
- iii. What would be the characteristic concentration of a solution? (25 marks)
- (2) Briefly discuss the followings points regarding titration. (100 marks)
- A) Equivalence point and end point
  - B) Minimization of titration error
  - C) Purpose of indicators
  - D) Limitations of conventional titrations
  - E) Overcome of the limitations