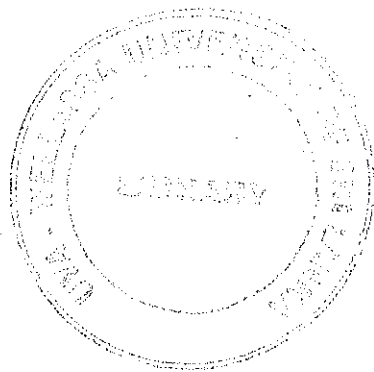




Uva Wellassa University
Faculty of Animal Science and Export Agriculture
B.Sc. in Palm & Latex Technology and Value Addition



End Semester Examination February / March 2011
Year II Semester I

Basic Analytical Chemistry TEA 233-2

Instructions

Answer all questions

No. of questions : Two (02)

No. of pages : One (01)

Total marks allocated : 50%

Time : One (01) hour

Index No:

Part II - Essay

Question 1

I) Explain the importance of the sampling process in a chemical analysis.

(40 marks)

II) Explain how equilibrium constant (k) and pH changes at the following situations compared to the pure water.

- a. Strong acid
- b. Weak base

(60 marks)

Question 2

I) Generally, when atoms are exposed to light, all atoms can absorb light. However, in atomic absorption spectrometry, we can specifically determine the metal of concern in the presence of other metals even though all atoms absorb light energy. Comment on this statement.

(20marks)

II) State different type of interferences that you encounter in AAS analysis.

(30 marks)

III) Discuss the cause, effect and management of ionization interference associated with AAS analysis.

(50 marks)