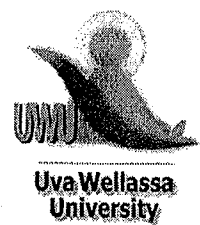


Uva Wellassa University of Sri Lanka  
Faculty of Animal Science & Export Agriculture



BASc Degree Programme  
Year IV Semester I

End Semester Examination –March/April 2013

**ANS 451-2 Basics in Food Analysis  
Essay Questions (Section II)**

**Instructions**

Answer all questions in Section II in booklets provided.

- No. of questions : Two (02)
- No. of pages : One (01)
- Time : One hour
- Total marks allocated : 60%

01. Discuss how to use High Performance Liquid Chromatography (HPLC) in **qualitative and quantitative analysis** of glucose from a mixture of glucose, fructose and sucrose.

(30 marks)

02. Mr. Amaradasa plans to start a poultry farm and processing unit in Puttlam area. He found that the potable water which is going to be used having high hardness. He sends a water sample to laboratory for experiment. If you are the laboratory technician how do you analyze the Ca content in water sample if your lab has Atomic Absorption Spectroscopic facilities only.

(30 marks)

**[End of Section II]**