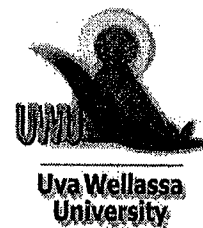


Uva Wellassa University
Faculty of Animal Science and Export Agriculture

B.Sc. in Tea Technology and Value Addition

End Semester Examination February/ March 2011
Year II Semester I



Tea Chemistry TEA 232-2

Instructions

Answer all questions

No. of questions : Two (02)

No. of pages : One (01)

Total marks allocated : 50%

Time : One hour (1hr)

Index No:

Part II

Question 1

(25 marks)

- I. What are the major chemical compounds in tea (tender leaves). Indicate their approximate chemical composition.
- II. Draw the basic structure of catechin.
- III. Describe the major chemical changes that take place during the following black tea manufacturing process
 - a. Withering
 - b. Rolling
 - c. Fermentation (oxidation)
 - d. Drying
- IV. How does green tea manufacturing process and chemical composition differ from the above (III) process?

Question 2

(25 marks)

- I. Write down short notes on the following topics.
 - a. Terpenoids in tea
 - b. Color generating compounds in tea
 - c. Caffeine