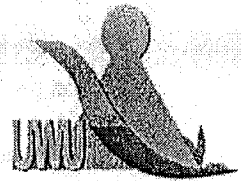


Uva Wellassa University, Sri Lanka
End Semester Examination – March 2011
SCT 101-3 Biology, Chemistry and
Environmental Science



Time: Three (03) hours

This paper consist of three parts: Part A, Part B and Part C
Answer all the questions of the Part A and Part B.
Answer four (04) questions from Part C.

Part C

1. In the past microorganisms were considered as troublesome organisms. But today there are commercial values for them. Explain with examples. (25 marks)

2. I. Explain the stages of a typical life cycle of a biological resource. Use only a flow chart to answer this question. (10 marks)
II. Straw is a biological resource which used as a raw material during the production of paper. How it can be utilize as a sustainable manner when it is going through a typical life cycle. (15 marks)

3. I. When an egg is boiled why does it become hard? Explain scientifically. (20 marks)
II. What is a Triglyceride (5 marks)

4. Write an essay on the "Process of beer making" giving raw materials, microorganisms involved and all the important steps in the production process. (25 marks)

5. Water is called as "The driver of the nature". Discuss this topic giving reasons. (25 marks)

6. Write an short account on any of the following topic (25 marks)
 - a. Environmental impacts of petroleum
 - b. Global Energy crisis