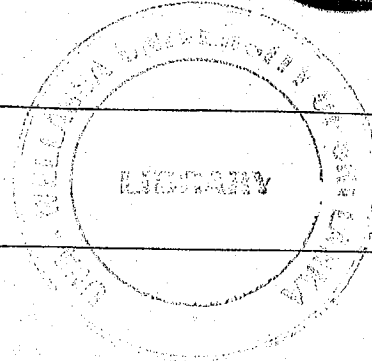


Uva Wellassa University, Sri Lanka
End Semester Examination – January 2010
SCT 112-2 General Biology

Time: Two (02) 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 any two (02) questions from Part C.



Part C

1. One of your friends argues that bacteria are bad and should be removed from the world. What are the points you consider in explaining that there are advantages of bacteria as well.
(20 marks)
2.
 - i. a. "Denatured proteins can no longer perform its normal biological functions." Do you agree with the statement? Give reasons for your answer.
(7 marks)
 - b. Name 3 agents that cause denaturation of proteins
(3 marks)
 - ii. Explain how a nucleotide is structurally different from a nucleoside
(10 marks)
3. Write an essay on how "habitat loss" has created a man and elephant conflict in Sri Lanka.
(20 marks)
4. a. Briefly describe the Watson and Crick model of DNA
(10 marks)
- b. Briefly explain what are the benefits of studying genetics
(10 marks)