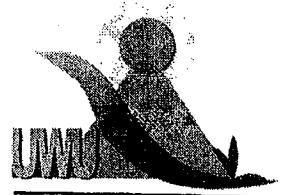


Uva Wellassa University, Sri Lanka
End Semester Examination – August 2011
SCT 111-2 Bioprospecting

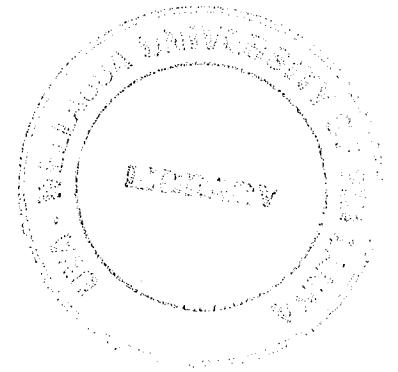


**Uva Wellassa
University**

Time: Two (02) hours

This paper consists of three parts, Part A, Part B and Part C.
Answer all questions in Part A and Part B in the paper itself.
Answer any two questions from Part C.

Index No:



Part C

01. i. Briefly explain the identification features of two (02) named crop families excluding Family Fabaceae. (18 marks)
- ii. List two (02) crop species and Crop Wild Relative (CWR) species from the families listed in (i) above. (8 marks)
- iii. Write brief account of the value, distribution and utilization of Crop Wild Relatives in Sri Lanka. Use examples wherever necessary. (14 marks)
- iv. Outline the transferring procedure of a specific gene from a Crop Wild Relative species to a crop species. (10 marks)
02. i. Briefly describe "symbiotic association". (10 marks)
- ii. Name four (04) types of parasites. (8 marks)
- iii. Define who is a 'host'? Write the main role of the following hosts: Primary host, Secondary host. (16 marks)
- iv. List the ways to prevent Schistosomiasis. (10 marks)
- v. Name three (03) forms of Leishmaniasis (6 marks)
03. i. What are the typical signs and symptoms of a person with anorexia nervosa? (10 marks)
- ii. Briefly explain the factors that influence to cause this disease. (20 marks)
- iii. Describe important goals of the psychological and nutrition therapy used to treat anorexia nervosa patients. (20 marks)
04. i. Write an account on the importance of secondary metabolites giving suitable examples. (25 marks)
- ii. DT1 is an anti bacterial compound isolated from a tropical plant "X". Illustrate the steps to isolate DT1 crude compound. (25 marks)