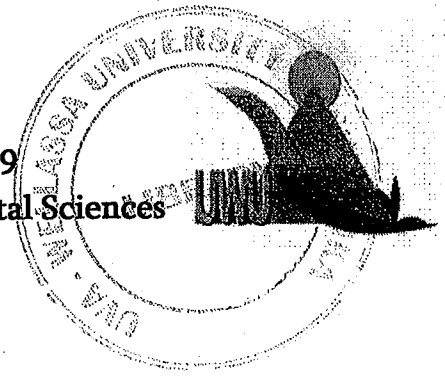


04 - K - 101 - SCT 101 - 3

Uva Wellassa University, Sri Lanka  
End Semester Examination – June 2009  
SCT 101-3 Biology, Chemistry and Environmental Sciences  
Repeat Examination



Time: Three (03) hours

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Total 08 Questions

Answer Six (06) questions only

Answer 03 questions from Part-A and 03 questions from Part-B

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PART - A

- 01) I. What is the purpose of Environmental Impact Assessment (EIA) before initiating a project? How it helps a project proponent to take a correct decision? (50marks)
- II. Discuss the preliminary information needed to commence Environmental Impact Assessment (EIA) or Initial Environmental Examination (IEE). (50 marks)
- 02) I. Explain how the biodiversity is beneficial to economy of a country? (50 marks)
- II. Imagining you are an entrepreneur of a fruit juice company. Discuss economically viable methods for exporting your products? (50 marks)
- 03) The ABC is a leading drugs exporting company in Sri Lanka. Imagine that you are Production Manager. The raw materials for the drug production are collected from natural forests. Collecting forest products and herbal plants are limited by the government because many trees were included in the Red List. As the Production Manager commence a project proposal suggesting alternative paths to enhance drug production. (100 marks)
- 04) Write short notes on the followings;
- |  |                              |
|--|------------------------------|
| I. Red List (25 marks)                     | II. Air Pollution (25 marks) |
| II. Sexual Transmitting Decease (25 marks) | III. CITIES (25 marks)       |

PART - B

- 05) Explain the importance of the concepts of value addition in the field of mineral resources for the sustainable development of a country. Take examples from Sri Lanka. (100 marks)
- 06) Suppose you are appointed as a Project Manager in a food and dairy product producing industry. You have assigned a task to identify the environmental impacts due to packaging wastes.
- I. List different types of packaging materials used in food and dairy products industry. (20 marks)
  - II. What are the environmental impacts caused by releasing above wastes to the environment? (40 marks)
  - III. Discuss the remedial measures that you recommended for an eco-friendly environment. (40 marks)
- 07) I. "Water is Important for the existence of life on the earth" briefly explain this statement. (20 marks)
- II. Explain how the industrialization affects water pollution. (40 marks)
  - III. Write a short account on major water based problems in Sri Lanka. (40 marks)
- 08) I. Why petroleum resources are considered as nonrenewable? (10 marks)
- II. What are the alternative renewable resources for petroleum? (20 marks)
  - III. Western and southwestern offshore areas of Sri Lanka have a high potential for the petroleum occurrence. Briefly explain how you manage to utilize petroleum resource if you are appointed as a Policy Maker. (70 marks)