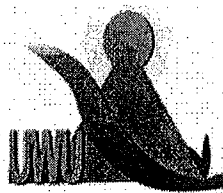


Uva Wellassa University, Sri Lanka

End Semester Examination 2007/2008 - Semester II



SCT 101-3 Biology, Chemistry and Environmental Science

Answer Six (6) questions only
(Part A-Three questions
Part B-Three questions)

Time: Three (03) Hours

PART- A

Answer any three (3) questions

1. (a) What is the purpose of Environmental Assessment before initiating a project? How it helps project proponent to take a correct decision?

(b) Discuss the preliminary information needed to commence EIA or IEE

(c) Discuss the differences between EIA and IEE providing for its relevant examples from Sri Lanka?

2. (a) Explain how the biological diversity of a country is beneficial to economy?

(b) What is value addition? Imaging you are an entrepreneur of a herbal company. Discuss economically viable method for exporting medicinal plants?

3. DAMRO is a leading furniture exporting company in Sri Lanka. Imagine that you the Production Manager. The raw materials for furniture production collected from natural forests. Felling trees and collecting forest products are limited by government because many trees were included in the Red List that affects furniture production. As Production Manager commence a project proposal suggesting alternative paths to enhance furniture production.

4. Write short notes on the followings;

(a) Genetically transmitted disease	(c) Blood transfusion
(b) Eutrophication	(d) CITIES

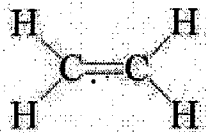


8) (a) What metals are used to make following alloys?

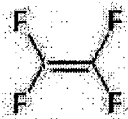
- I. 22 Karat gold II. 22 Karat white gold
- III. Stainless steel IV. Coins

(b) Draw the structure of following polymers

i) ethane -----> polyethene



ii) tetrafluoroethene -----> polytetrafluoroethylene

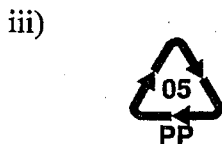
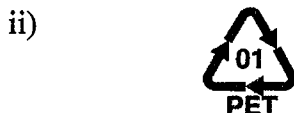


(c) Match the polymers used to make following items

(polymethylmethacrylate, polyvinylchloride, Nylon 6,6, polystyrene, polyethyleneterephthalate)

- i) Regifoam
- ii) PET drinking water bottles
- iii) Synthetic silk
- iv) Plexiglass
- v) Drainage pipes

(d) Plastics can be separated by looking at the recycling symbol on product. Identify the polymers denoted by following recycling symbols.



(e) Briefly outline what students can do to make University canteen a more efficient and clean place by self discipline and recycling of garbage.