

THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME
BOTANY - LEVEL 04
FINAL EXAMINATION - 2010/2011
PCU2104 - ENVIRONMENTAL STUDIES



DURATION: TWO (02) HOURS

DATE: 12th July 2011

TIME: 1.30 p.m.- 3.30 p.m.

Answer **any four (04)** questions.

1.
 - a. List five lithospheric processes operating in the lithosphere.
 - b. Briefly explain the functions of different components of soil.
2. Discuss in detail the major processes of the Carbon Cycle and the problems associated with the cycling of Carbon due to human interventions.
3.
 - a. What are minerals?
 - b. How does a mineral differ from mineral resources?
 - c. List the basic types of mineral resources.
 - d. Explain briefly the environmental impacts of mining, processing and using mineral resources.
4.
 - a. Distinguish between primary air pollutants and secondary air pollutants.
 - b. Write an account on the major air pollutants and their adverse effects.
5.
 - a. What is meant by water pollution?
 - b. Name five major water pollutants and indicate one significant effect of each pollutant on water.
 - c. Discuss the different methods available to control water pollution.
6. Write short notes on **any three(3)** of the following.
 - a. Screening process in the Environmental Impact Assessment(EIA)
 - b. Desertification
 - c. Characteristics of tropical rain forests
 - d. Tropic structure and ecological pyramids