



The Open University of Sri Lanka
PG diploma/IVL.Sc. Programme in Environmental Studies - Level 06
Final Examination - 2007
NEP 1203 - Environmental Pollution
Duration - Three(03) hours

Date: 05th November 2007

Time: 9.30a.m.-12.30p.m.

1.
 - a. Explain what primary and secondary air pollutants are with suitable examples.
 - b. Distinguish between photochemical smog and industrial smog.
 - c. List five air pollutants indicating their sources and briefly explain their major health effects.
2.
 - a. What are the main sources of water pollution?
 - b. Giving examples, briefly describe the effects of water pollution on biota.
3.
 - a. Define the term "soil erosion".
 - b. Briefly explain the common erosion control methods indicating the principle and the mechanism underlying each of the methods.
04.
 - a. What are the currently used solid waste disposal methods in Sri Lanka?
 - b. List the advantages and disadvantages of each of the above methods.
 - c. Discuss the basic strategies of the integrated waste management.
05. " The ideal treatment process reduces the quantity of hazardous waste material to a small fraction of the original amount and converts it to a non-hazardous waste material" Elaborate on this statement.
6. Write short notes on any two(02) of the following.
 - a. Bacterial pathogens in water
 - b. Physical treatment techniques in advanced wastewater treatment
 - c. Emission control technology in gasoline(SI) engines