THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME
BOTANY - LEVEL 05
FINAL EXAMINATION – 2015/16
PCU3104/PCU2104 - ENVIRONMENTAL STUDIES

DURATION: TWO (02) HOURS

DATE: 26th January 2017 TIME: 9.30 p.m. – 11.30 p.m.

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

1. a. Distinguish between weather and climate.
   b. Explain briefly how "convectional" and orographic" rain occur.
   c. Discuss the hydrological cycle and indicate its contribution to maintain the life on earth.

2. a. What is meant by "ecological succession"?
   b. Differentiate between primary succession and secondary succession.
   c. Write a concise account on energy flow within an ecosystem.

3. a. Describe briefly how mineral resources are classified based on their use and explain how they are formed.
   d. List five environmental impacts due to mining of minerals.

4. Write an essay on global warming emphasizing its impacts on the environment.

5. a. What are the methods that are used in integrated waste management?
   b. What are the properties used in categorizing hazardous waste?
   c. Discuss the methods practiced in disposing hazardous waste.

6. Write short notes on **any three(3)** of the following.

   a. Monitoring and auditing in Environmental Impact Assessment (EIA)
   b. Plant nutrients as water pollutants
   c. Coral reef as an ocean resource
   d. Bio power and energy crops

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