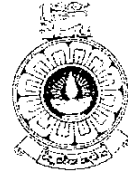


THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME – BOTANY- LEVEL 05
FINAL EXAMINATION – 2024/2025
BYU5318/BYE5318 – Environmental Studies
DURATION: Two (02) HOURS



Date: 08th May 2025

Time: 01.30 p.m.- 03.30 pm

Answer any four (04) of the following questions.

1. a. Name **five major** water reservoirs in the Hydrosphere (15 marks)
 b. Write brief descriptions on Ocean waves and Ocean tides. (25 marks)
 c. Highlighting the major events, discuss the Hydrological cycle and indicate its contributions to maintain the life on earth. (60 marks)
2. Differentiate between the following
 a. Troposphere and Stratosphere.
 b. Primary succession and Secondary succession.
 c. Orographic rain and Convectional rain.
 d. Weather and Climate.
 e. Tropical rain forests and Tropical montane forests in Sri Lanka. (20x05marks)
3. Compose an essay on "Non-hazardous waste management methods" in practice.
4. a. Define the term "Population." (08 marks)
 b. How does a population differ from a community. (12 marks)
 c. Briefly explain the distribution patterns of organisms in populations (40 marks)
 d. Giving examples explain the types of interactions found in a community. (40 marks)
5. a. What is meant by Soil erosion and Land degradation. (16 marks)
 b. State major causes of land degradation. (24 marks)
 c. Describe the mechanisms usually practiced in making soil sustainable. (30 marks)
 d. "Forest cover act as a soil protector". Giving reasons justify this statement. (30 marks)

6. Write short notes on any three (03) of the following:
- a. "Screening" process of Environmental Impact Assessment (EIA).
 - b. Growth pattern of natural populations.
 - c. Coral reef as an ocean resource.
 - d. Lithospheric plates and their movement.

(100 marks)