



RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (General) Degree in Applied Sciences
Third year – Semester I Examination – October/November 2015

BIO 3201 – BIODIVERSITY AND CONSERVATION I

Time : Two (02) hours

Answer any four (04) of the following questions

1. a) Describe the concept of ecosystem diversity.
b) Outline the major services provided by the ecosystems. Provide examples for the services you indicated. Explain how these services are/will be impacted due to given human behavior.
2. a) List the benefits of biodiversity.
b) How do you assign values to these benefits of biological diversity?
3. a) Explain the term “Biogeography”
b) List the factors used in categorizing different biogeography regions in the world.
c) Using suitable evidences explain how flora and fauna distributes in different zones.
4. “Forest fragmentation directly affects the distribution of fauna and flora species.” Discuss this statement citing examples from Knuckles forest.
5. Write short notes on any two (2) of the following.
 - a) Processes that shrink the genetic diversity in a population.
 - b) Positive and negative impacts of the of formation of edge habitats on biodiversity.
 - c) IUCN categories of threat.

Library
Faculty of Applied Science
Rajarata University of Sri Lanka
Mihintale.