



RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (General) Degree in Applied Sciences
Third Year – Semester II Examination – February/March 2019

BIO 3202 - BIODIVERSITY AND CONSERVATION II

Time: Two (02) hours

Answer FOUR (04) of the following questions.

1. Discuss the advantages and disadvantages of in-situ and ex- situ conservation options for a small country like Sri Lanka.

(100 marks)

2. List the international and national categories of protected areas and explain their relevance to Sri Lanka with suitable examples.

(100 marks)

3. The increases in populations of *Macaca sinica* (Toque Monkey), *Semnopithecus priamthersites* (Grey Langure) and *Ratufa macroura* (Sri Lanka Giant Squirrel) have negative consequences for humans in the region. Discuss the problems created by these animals and potential solutions to minimize these problems.

(100 marks)

4. a) What is meant by the term “Convention”?

(20 marks)

- b) “Signing and ratifying international environmental conventions provide benefits to a country for biodiversity conservation”. Citing suitable examples comment on this statement.

(80 marks)

5. Write short notes on the following;

- a) role of government and NGOs in biodiversity conservation
- b) importance of environmental education in biodiversity conservation
- c) conservation of endangered species
- d) invasive species and their control measures in Sri Lanka

(25 x4 marks)

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