RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES, MIHINTALE

B.Sc. (General) Degree in Applied Sciences
Third Year – Semester II Examination – April/May 2016

BIODIVERSITY AND CONSERVATION II - BIO 3202

Time : Two (02) hours

Answer any four (04) of the following questions.

1. Population increase of some wild animals is one of the major problems in Mihintale sanctuary and its periphery.

    a) List the problem wild animals in this area and state the problems created by them.
    b) Discuss the possible control measures to manage these problems.

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

3. a). Define the term "rehabilitation".
    b.) Outline the main factors that will be considered when rehabilitating animals.
    c.) Using successful examples of rehabilitation animals, explain the factors that you consider important in rehabilitation programs in the world.

4. a) What is meant by the term "interpretation"?
    b) State the purposes of interpretation in environmental education?
    c) Explain the techniques that can be adopted for a successful interpretation programme?

5. a) Explain the following terms
        i. "Critically endangered"
        ii. "Endangered"
        iii. "Vulnerable" species

    b) Outline the main factors that contribute a faunal species to fall into endangered and extinction categories.

    c) Elucidate the ways in which the genetic drift, gene flow and inbreeding affect the survival of threatened species.