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RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (General Degree)in Applied Science

Third year – Semester I Examination October/November 2015

BIO 3105 - MANAGEMENT STRATEGIES

Time: 1 ½ hours

Answer all questions of part A and part B

Part A

01. Write short notes on the following;

a) Ecological value of biodiversity

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b) Aesthetic value of bio-diversity

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c) State the human and industrial causes of biodiversity reduction?

d) What is meant by the term "local market failure"?

e) What do you understand by the term "international market failure"?

20 marks

02. a) Explain in brief the relationship between ecosystem tropic structure and human economy.

b) What is meant by the term "integrated development"?

c) Describe briefly the concept of community based conservation of wild life

d) Distinguish between conservation and management

e) List conditions of non-attenuated property rights and define each of them.

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(20 marks)

Part B

3. a) "Biodiversity can be treated as a public good which leads to the market failure". Comment on the statement   (15 marks)

   b) Explain using appropriate illustrations the reasons for having a gap between social and private benefits when there are positive externalities.   (15 marks)

4. Discuss approaches to combine conservation and development with appropriate examples.

(30 marks)