

THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME – LEVEL 5
FINAL EXAMINATION – 2010/2011
COURSE TITLE – BIODIVERSITY CONSERVATION
COURSE CODE – ZOU 3171 / ZOE 5171
DURATION – TWO AND A HALF HOURS



DATE : 02. 07.2011

TIME : 1.30 p.m – 4.00 p.m

Answer any four (4) questions.

Wherever necessary illustrate answers with clearly labelled diagrams.

1. i. What is biodiversity?
ii. “Biodiversity loss is a major concern”. Discuss this statement.
2. Discuss the main links between biodiversity and human wellbeing.
3. How does habitat fragmentation contribute to species extinction? Discuss.
4. Analyze the advantages and disadvantages of in-situ and ex-situ conservation with respect to elephant conservation in Sri Lanka.
5. What internal and external processes affect the maintenance of and bring about changes in genetic diversity in a natural population?
6. Explain the strategies used to manage a protected area based on the visit you made to Uda Walawe National Park

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