



THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME – LEVEL 5
FINAL EXAMINATION – 2017/2018
COURSE TITLE – CONSERVATION AND MANAGEMENT OF BIODIVERSITY
COURSE CODE – ZLU 3182/ZLE 5182
DURATION – TWO HOURS

DATE – 13. 09.2018

TIME - 1. 30 pm – 3. 30 pm

ANSWER ANY FOUR (4) QUESTIONS. WHEREVER NECESSARY
ILLUSTRATE ANSWERS WITH CLEARLY LABELED DIAGRAMS

1.
 - i. What is meant by the term “Biodiversity”.
 - ii. Discuss the importance of biodiversity to humankind.
2.
 - i. What is the IUCN Red Listing System?
 - ii. What are the distinctions between "critically endangered", "endangered", and "vulnerable" species?
 - iii. How would conservation strategies differ for these three species given in (ii) above?
3. “Extinction is a natural process, and we shouldn't worry about the current increased loss of biodiversity”. Respond to this statement by either **supporting it** or **refuting it** in a clear, logical argument.
4. Explain how “*in-situ*” and “*ex-situ*” conservation methods are used to maintain biodiversity.
5. Discuss the important factors to be considered when designing a protected area.
6. Write short notes on any **two (2)** of the following
 - i. Multilateral Environmental Agreements.
 - ii. Bioprospecting.
 - iii. Characterization of biodiversity.

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