



THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME – LEVEL 5
FINAL EXAMINATION – 2016/2017
COURSE TITLE – CONSERVATION AND MANAGEMENT OF BIODIVERSITY
COURSE CODE – ZLU 3182/ZLE 5182
DURATION – TWO HOURS

DATE – 06. 08.2017

TIME - 1. 00 pm – 3. 00 pm

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

1.
 - i. Define the terms ‘biodiversity’ and “conservation.”
 - ii. Discuss the ecosystem services provided by forest biodiversity for the well being of life on earth.
2.
 - i. What are mass extinctions?
 - ii. How does habitat fragmentation contribute to species extinction?
3.
 - i. List the IUCN categories of protected areas.
 - ii. Protected areas are crucial for the conservation of terrestrial, freshwater and marine environments. Elaborate on this statement.
4. Write an essay on traditional human communities of Sri Lanka, their ecological knowledge and sustainable practices.
5. Describe five major environmental issues faced by the world. Critically comment on 3(three) major environmental problems faced by Sri Lanka and strategies used to overcome them.
6. Write short notes on any two of the following topics.
 - i. Multilateral Environmental Agreements.
 - ii. IUCN categories of threatened species.
 - iii. Role of Zoological Gardens.

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