

**UNIVERSITY OF RUHUNA**  
**BACHELOR OF SCIENCE GENERAL DEGREE LEVEL II (SEMESTER I)**  
**EXAMINATION – JANUARY 2022**

**SUBJECT: Zoology**

**Time: 01 hour**

**COURSE UNIT: ZOO 2142**

**Conservation and Management of Biological Resources**

Answer **any TWO (02)** questions only.

Illegible handwriting would be penalized.

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1. Discuss

- (i) How “**Habitat fragmentation and alteration**” effect on the changes in biodiversity and ecosystem services.
- (ii) Effect of population number drop below the **Minimum Viable Population (MVP)** number on species extinction.

2. Giving suitable examples, briefly describe the **captive breeding techniques** and **problems** associated with them.

3. Write short notes on **any two** of followings.

- (i). **Criteria** used for **site selection** of a protected area according to **Ratcliffe (1977)**.
- (ii). **Strategies** available for **easy viewing** of wildlife, by tourists.
- (iii) **Marine Environment Threats** to turtles.

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