



**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES**

**B.Sc. (General) Degree in Applied Biology
Third Year – Semester II Examination – October/November 2017**

ZOO 3207 – WILDLIFE MANAGEMENT

Time: Two (02) hours

Answer FOUR (04) questions only.

1. Briefly discuss the process of habitat fragmentation and the impact of fragmentation on wildlife.
(25 Marks)
2. Write short notes on any **five (05)** of the following;
 - i. Population age pyramids and population growth
 - ii. Intrinsic and instrumental values of biodiversity
 - iii. Species concepts and Evolutionarily Significant Units (ESU)
 - iv. Survivorship curves
 - v. Ecosystem integrity
 - vi. Evolutionary potential and genetic diversity.(25 Marks)
3. Describe two measures of genetic diversity of populations and how they could be used in the conservation and management of species?
(25 Marks)
4. Using suitable examples, discuss the impact of atmospheric contaminants on biodiversity.
(25 Marks)
5. Using appropriate examples, discuss why an understanding of the scales of biodiversity is important for conservation planning.
(25 Marks)

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