



EASTERN UNIVERSITY, SRI LANKA
SECOND EXAMINATION IN SCIENCE 1999/2000 (May 2001)
SEMESTER-1

ZL 202 ANIMAL BEHAVIOR AND EVOLUTION

Time: Two hours.
Answer all questions.

(Illustrate your answer with clear, labelled diagrams where necessary.)

1. Explain any three of the following using suitable examples:

a) biological rhythm,	c) hierarchy in social groups,
b) imprinting,	d) stimulus filtering.

2. Write on any two of the following:
 - a) home range Vs territory,
 - b) competition for mates Vs mate selection,
 - c) classical Vs operant conditioning.

3. What is genetic drift? Explain how it affects populations by means of two examples.

4. Write briefly on any two of the following:
 - a) directional selection,
 - b) comparative anatomy as evidence for evolution,
 - c) speciation.