

EASTERN UNIVERSITY, SRI LANKA
Special Degree Examination (Final) in Science 2004/2005
BT 409 -Population Biology and Weed Ecology

Answer ALL questions

Time: 03 Hours

1. "Life characteristics of an individual are similar to that of a population". Discuss this statement.

2. Explain the importance of the following in Population Biology
 - a) Removal experiments
 - b) Life Tables.

3. Explain the importance of "seed banks" in population dynamics of plants.

4. Explain
 - a) The importance of "Gaps" in ecosystem dynamics.
 - b) Underlying scientific principles of weed control in Sri Lanka.

5. Give a brief account of
 - a) Self thinning in plants.
 - b) Tsunami as a factor in evolution.

6.
 - a) What are weeds and how do they differ from "Invasive plants"?
 - b) Explain the characteristics of weeds that help their survival, with named examples from Sri Lanka.
