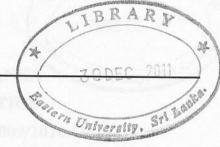
## Eastern University, Sri Lanka Special Degree Examination in Science (Botany) – 2005/06 & 2006/07 BT 408 – Population Biology and Weed Ecology

Answer all questions. Time: 3 hrs



- 1. What are life cycles? Explain how they have been used for the study of populations.
- 2. Give a brief account of;
  a). additive experiments.
  b). replacement series experiments.
- 3. Explain competition in Plants. How does various forms of competition facilitate evolution?
- 4. What are weeds? Explain the cultural practices employed in the eradication of weeds indicating the possible scientific reasons for them.
- 5. Give a brief account of the followings:
  - a). concept of an 'individual' had varied meaning in ecology.
  - b). guerrilla and phalanx strategies facilitate survival.
- 6. Give brief notes of the following
  - a). seed banks in soil.
  - b). Invasive Plants in Sri Lanka.