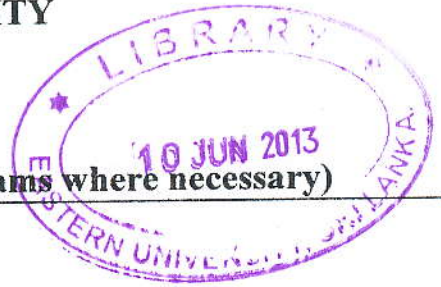


**EASTERN UNIVERSITY, SRI LANKA**  
**FIRST YEAR EXAMINATION IN SCIENCE 2009/2010 (April 2012)**  
**SECOND SEMESTER (Proper & Repeat)**  
**ZL102 ANIMAL DIVERSITY**

Time: 02 hours.

Answer all questions.

(Illustrate your answer with clear labeled diagrams where necessary)



1. Write an essay on adaptation among birds for flight.
2. Write short notes on any two of the following:
  - a) Water vascular system in Echinoderms;
  - b) Feeding adaptation in snakes;
  - c) Polymorphism in Cnidarians.
3. a) What do you understand by "Serial homology". Illustrate your answer with reference to the appendages of prawn/shrimp.  
  
b) Write briefly the role of insects in the environment and to humanity.
4. Comment on any two of the following:
  - a) Foetal membranes of reptiles;
  - b) Filter feeding in Mollusk;
  - c) Placental Mammals.

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