



EASTERN UNIVERSITY, SRI LANKA
FIRST EXAMINATION IN SCIENCE 2003/ 2004 (JUNE/JULY 2005)
SECOND SEMESTER

ZL 102 ANIMAL DIVERSITY

Time: 02 Hours.

Answer **all** questions.

(Illustrate your answers with clear labelled diagrams where necessary).

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1. Write briefly on the following

- a. Locomotion in a named protozoan
- b. Conjugation
- c. Adaptations for a parasitic life in a named trematode
- d. Filter feeding in mollusc

(28 Marks)

2. a. Describe the body wall of a diploblastic animal and compare with sponges.
b. Write briefly polymorphism in coelenterates.

(18 Marks)

3. Comment on the following

- a. Amphioxus
- b. Urodele amphibians
- c. Structure of a typical tunicate

(24 Marks)

4. a. Describe the structure of the typical appendages of prawn and how it modified for feeding and locomotion..
b. Comment on the structural adaptations in fishes for swimming.

(30 Marks)

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