

★
7th Dec 2004
Eastern University, Sri Lanka

EASTERN UNIVERSITY, SRI LANKA
FIRST EXAMINATION IN SCIENCE 2002/2003 (March 2004)
SECOND SEMESTER
ZL 102 ANIMAL DIVERSITY (PROPER AND REPEAT)

Time: 02 hours

Answer **all** questions.

(Illustrate your answers with clear labelled diagrams where necessary)

1. Distinguish between the following:

- a. cilia and flagella,
- b. radial and bilateral symmetry,
- c. coelomate and acoelomate animals,
- d. protostome and deuterostome animals,
- e. eutheria and metatheria.

2. Comment briefly on the economic importance of the following:

- a. Protozoa,
- b. Corals,
- c. Nematodes.

Comment briefly on the biological significance of the following:

- d. Insecta,
- e. Prototherians.

3. Write the basic characteristics of the following groups and give examples for each.

- a. Protozoa
- b. Mollusca
- c. Reptilia
- d. Amphibia
- e. Aves

4. Briefly explain the following and give examples.

- a. Pseudocoelom
 - b. Sedentary polychaetes
 - c. Metamerism
 - d. Water vascular system
 - e. Conjugation
-