

EASTERN UNIVERSITY, SRI LANKA
FIRST EXAMINATION IN SCIENCE 2005/2006 & 2006/2007
SECOND SEMESTER

ZL 102 - ANIMAL DIVERSITY



Time: **Two** hours

Answer **all** questions

(Illustrate your answers with clear labeled diagrams where necessary)

1. a) What do you understand by the term “Adaptive radiation”?
b) Write briefly on the Eutherian adaptive radiation/diversification in Mammals?
2. Write short notes on **any two** of the following:
 - a) Serial homology in Crustaceans.
 - b) Parasitic Annelids.
 - c) Water vascular system in Echinoderms.
3. a) Describe the body wall of sponges?
b) List the economic importance of corals?
4. Comment on **any two** of the following:
 - a) Cnidocytes in cnidarians.
 - b) Flight adaptation in birds.
 - c) Foetal membranes of reptiles.

XXXXXXXXXXXXXXXXXXXXXXXXXXXX