# EASTERN UNIVERSITY, SRI LANKA

#### EXTERNAL DEGREE

SECOND EXAMINATION IN SCIENCE 1996/97 (June 2004)

### EXZL 203 and 204 DEVELOPMENTAL BIOLOGY AND PARASITOLOGY

Time: 02 hours

Answer four questions only, selecting atleast two questions from Part A (Illustrate your answers with clear, labelled diagrams where necessary)

#### PART A

- 1.
- a. What is invitro fertilization (IVF) and embryo transfer (ET)?
- b. Describe in detail the major steps that are involved in IVF and ET.
- 2. Comment on any two of the following:
  - a. Oogenesis
  - b. Neurulation amphibia
  - c. Regeneration in annelids
  - d. Telolecithal egg.
- į3.
- a. What are the characters of aging?
- b. What factors that affects ageing in human being?
- c. Briefly describe age related learning and memory.

BRAR

2 5 9CT 20

## PART B

- 4. Write short notes on any three of the following:
  - a. Parasitism
  - b. Symbiosis
  - c. Commensalism
  - d. Phoresis
  - 5. Write an essay on *Schistosoma mansoni* and how the disease schistosomiasis is controlled in Africa.

What factors that affects againg in human being?
Briefly describe age related learning and premory

6. Write an essay on Dracunculus medinensis.