

EASTERN UNIVERSITY, SRI LANKA

EXTERNAL DEGREE

SECOND EXAMINATION IN SCIENCE 1996/97 Repeat (June 2004)

EXZL 203 and 204 DEVELOPMENTAL BIOLOGY AND  
PARASITOLOGY

Time: 02 hours

Answer **four** questions only, selecting at least **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.
  
3.
  - a. What are the characters of aging?
  - b. What factors that affects ageing in human being?
  - c. Briefly describe age related learning and memory.

## 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.

Or

Write an essay on Malaria and its control in Sri Lanka.

6. Write an essay on *Fasciola hepatica* or *Clonorchis sinensis*.

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