



EASTERN UNIVERSITY, SRI LANKA
SECOND YEAR IN SCIENCE - 1994/95 & 95/96 ; Sept. 97

ZL 203 & 204 Developmental Biology and Parasitology

Time : 2 hours

Answer Four questions only.

Select atleast Two questions in each part.

Illustrate your answers with clear labelled diagrams where necessary.

Part A

- 01. Describe briefly the different developmental stages of the human embryo.
- 02. Write short notes on any Two of the following:
 - a) The role of hormones in the menstrual cycle of human.
 - b) Birth defects.
 - c) Regeneration.
- 03. Describe the inductive mechanism in the following process.
 - a) Neuralisation in Amphibia
 - b) Eye development in Amphibia.

Part B

- 04. a) Describe the life cycle of the *Trypanosoma* spp. you have studied.
- b) Give the methods that are used for the control of diseases that are caused by *Trypanosoma* species.
- 05. Describe briefly about immunity of hosts for pathogenic / parasitic infections.
- 06. Write short notes on any Three of the following:
 - a) Parasitism
 - b) White-Spot disease
 - c) Acquired immunity
 - d) Lymphocytes and Antigens
 - e) Filariasis

OR

conservation of elephants in Sri Lanka.