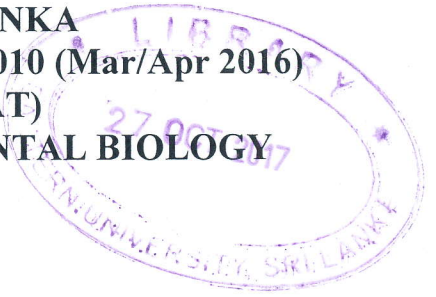


EASTERN UNIVERSITY, SRI LANKA
SECOND EXAMINATION IN SCIENCE 2009/2010 (Mar/Apr 2016)
EXTERNAL DEGREE (REPEAT)
EXT ZL 203 GENETICS AND DEVELOPMENTAL BIOLOGY



Time: 02 hours.

Answer all questions.

Illustrate your answers with clear labelled diagrams where necessary)

- a). What are giant chromosomes?
- b). Discuss briefly the giant chromosomes and their importance to animal.

Comment on **any two** of the following:

- a). Tetrad analysis and centromere mapping
- b). Plasmids
- c). Point mutation
- d). RNA splicing.

- a). What are extra embryonic membranes?
- b). With the diagrammatic drawing, explain the structure and functions of the extra embryonic membranes in chick.

Comment on **any two** of the following:

- a). Menstrual cycle in human female
- b). Gastrulation in amphibia
- c). Intra uterine device (IUD)

XXXXXXXXXX