EASTERN UNIVERSITY, SRI LANKA FIRST YEAR EXAMINATION IN SCIENCE 2009/2010 (April 2012) SECOND SEMESTER (Proper & Repeat)

ZL 103 GENETICS

Time: 01 hour.

Answer all questions.

(Illustrate your answer with clear labelled diagrams where necessary)

Researy)

- 1.a). What are giant chromosomes? Describe briefly the structures of giant chromosomes and their significance to the study of genetics.
 - b). Differentiate centromere and telomere in a chromosome.
- 2. Write short notes on any two of the following:
 - a). Tetrad analysis;
 - b). Oncogenes;
 - c). Polyploids;
 - d). Gross mutations in the chromosomes.

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