

EASTERN UNIVERSITY, SRI LANKA.
FIRST YEAR EXAMINATION IN SCIENCE 2013/2014 (April /May 2016)
SECOND SEMESTER (PROPER & REPEAT)
ZL 103 GENETICS



Time: 01 hour.

Answer all questions.

(Illustrate your answer with clear labelled diagram where necessary)

- 1.a). Write a brief note on the different structural changes take place in chromosomes due to mutation. (25 marks)
- b). Describe a method to map a human chromosome. (25 marks)
2. a). Comment on the screening method of an auxotrophic mutation. (25 marks)
- b). Briefly explain on sex-linked recessive genes and their expression in the progeny. (10marks)
- c). Write a note on RNA splicing. (15 marks)

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