

EASTERN UNIVERSITY, SRI LANKA
FIRST YEAR SECOND SEMESTER EXAMINATION IN SCIENCE
2008/2009 (Oct/Nov 2010) (PROPER & REPEAT)
ZL 103 GENETICS



Time: 01 hour.

Answer all questions.

(Illustrate your answers with clear labeled diagrams where necessary).

1. a). What is linkage study?
 - b). Briefly describe how genes are mapped in Bacteria.
 - c). Comment T.H. Morgan's experiment on sex linkage in *Drosophila*.
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2. Comment on **any two** of the following:
 - a). Lampbrush chromosome;
 - b). Replica plating;
 - c). Aneuploidy;
 - d). RNA splicing.

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