

EASTERN UNIVERSITY
30 SEP 2014

EASTERN UNIVERSITY, SRI LANKA
THIRD YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2010/2011
ASC 3101 ANIMAL BREEDING AND TECHNIQUES

Answer all questions

Time allowed: 2 hours

1. Briefly discuss the followings;
 - a) Selection aids used in cattle breeding.
 - b) Difference between metric and non-metric traits.

2. a) List out the common breeding techniques adopted in the genetic improvement of farm animals.
b) Briefly describe the major steps in artificial insemination in dairy cattle breeding.

3. Write short notes on the followings;
 - a) Repeatability of traits.
 - b) Individual selection and progeny testing.
 - c) Beneficial effects of transgenic animal production.

4. a) List out the benefits of cross breeding in farm animals.
b) Briefly discuss the four-way cross breeding in commercial broiler production.