

11 OCT 2014

EASTERN UNIVERSITY, SRI LANKA

THIRD YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2009/2010

AS 3101 LIVESTOCK BREEDING

END SEMESTER EXAMINATION

Jan/Feb 2014

Answer all questions.

Time Allowed: ^{Two} ~~One~~ Hours

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1. Discuss the objectives and process of livestock breeding under the following principles
 - a. Dominant effects in gene expression (20 Marks)
 - b. Selection (45 Marks)
 - c. Mating Systems (35 Marks)
 2. Briefly discuss the following
 - a. Analyzing and processing of semen of bull for artificial insemination (60 Marks)
 - b. Application of estrus synchronization techniques in cattle (40 Marks)
 3. Write an account on the following
 - a. Heritability (45 Marks)
 - b. Use of breeding value and accuracy of selection in livestock breeding (55 Marks)
 4. Write short notes on the following
 - a. Heterosis (30 Marks)
 - b. Hardy-Weinberg Equilibrium (35 Marks)
 - c. Tandem Selection (35 Marks)