

EASTERN UNIVERSITY, SRI LANKA

THIRD YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2016/2017

AS 3101 LIVESTOCK BREEDING

END SEMESTER EXAMINATION

Answer all questions

Time Allowed: Two Hours

1. Describe the estrus synchronization techniques applied in cattle using prostaglandin and progesterone. (100 Marks)

2. Write an account on the following
 - i. Rotational crossings in swine breeding programme. (60 Marks)
 - ii. In vivo embryo transfer in cattle (40 Marks)

3. Discuss the following
 - i. Genetic components of variance (40 Marks)
 - ii. Heritability (30 Marks)
 - iii. Individual selection (30 Marks)

4. Briefly discuss the following
 - i. Recto-vaginal insemination method in cow (40 Marks)
 - ii. Heterosis or Hybrid Vigour in farm animals (40 Marks)
 - iii. Quantitative traits (20 Marks)
