



**EASTERN UNIVERSITY, SRI LANKA**

**THIRD YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2006/2007**

**ASC – 3101 ANIMAL BREEDING AND TECHNIQUES**

**END SEMESTER EXAMINATION**

Answer all Questions

Time: Two Hours

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1. Discuss the following;
    - a. Use of crossbreeding as a method of genetic improvement of farm animals.
    - b. Estimated Breeding Value (EBV) of farm animals.
  
  2. Briefly describe the methods used in estrus synchronization in cattle.
  
  3. Write short notes on the following
    - a. Hardy-Weinberg equilibrium
    - b. Metric Characters
    - c. Superovulation in embryo transfer in Cattle
  
  4.
    - a. Briefly discuss the selection aids (In your discussion include the conditions under which you will go for each selection aid)
    - b. List the characters of diluents that are used to dilute semen