



EASTERN UNIVERSITY, SRI LANKA
FINAL EXAMINATION IN AGRICULTURE (500 SERIES) - 2000/2001
(ASC 461) ANIMAL GENETICS

Answer all Questions.

Time allowed: Three Hours.

1. Write an essay on "Maintaining breeding efficiency in dairy cattle".
2. Discuss the following:
 - a) Selection index.
 - b) Progeny testing.
3. Discuss the role of biotechnology in animal breeding.
4. Discuss the general aspects that have to be considered while drawing breeding plans for livestock.
5. Discuss the following:
 - a) The use of co-variation in the context of animal breeding.
 - b) Traits of economic importance in dairy cattle improvement.