



**EASTERN UNIVERSITY, SRI LANKA**  
**FINAL YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE -**  
**2003/2004**

**ASC 4105 - ADVANCED ANIMAL BREEDING**  
**END SEMESTER EXAMINATION**

**Answer all questions**

**Time: One Hour**

---

1. Discuss in detail the role of reproductive technologies on genetic improvement of livestock.
  
2. Briefly discuss the following:
  - a) Capabilities of Best Linear Unbiased Prediction (BLUP).
  - b) Thermal equilibrium in dairy animals.

Sample No.	1	2	3	4
Added Cu conc. ( $\mu\text{g/ml}$ )	0	10	20	45
Equilibrium Cu conc. ( $\mu\text{g/ml}$ )	0	5	8	12

Find out the amount of copper adsorbed and the % of Cu sorption in each case.