

EASTERN UNIVERSITY, SRI LANKA
SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE 2004/2005
ASC 2101 RUMINANT, NON-RUMINANT NUTRITION AND FEED
FORMULATION (3:30/30)

Answer All questions

Time : Two hours

1. Write notes on the following;

- a. Classification of feed additives according to their mode of action .
- b. Feeding of White Leghorn layers (hybrid layer) during laying stage:

2. Discuss the feeding of sows during gestation and lactation

3.

- a. List the factors that influence the ammonia concentration in the rumen fluid and describe the fate of ammonia in the rumen
- b. Briefly discuss the evaluation of protein and feed quality

4.a) Briefly discuss the steps involved in *in vivo* method to determine the digestibility of ruminant feed

b) Calculate the permissible cost (Least cost feed) of feed ingredients to formulate a ration for broiler. (Give your all assumptions)