



EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE-2001

ASC 2101-RUMINANT AND NON RUMNANT NUTRITION AND FEED FORMULATION

Answer All questions

Time allowed: Three hours

1. Briefly discuss the use of *in vivo* and *in sacco* methods in determining the digestibility of feed stuff.
2. Briefly discuss the following:
 - a) Feed additives in animal nutrition.
 - b) Anti nutritive/deleterious factors present in feed.
3. Briefly discuss about the protein and nitrogen utilization in the rumen and importance of by-pass protein in ruminants.
4. Discuss the following:
 - a. Feeding of layers during laying period.
 - b. Baby pig nutrition.
5. Briefly discuss the desirable characteristics of ruminant ration.
6. Write short notes on the following:
 - a. Functions of water in an animal body.
 - b. Energy partitioning in ruminants.
 - c. Ammonia toxicity in ruminants and ways to avoid this situation