

EASTERN UNIVERISTY SRI LANKA
SECOND EXAMINATION IN AGRICULTURE 2001/2002
ANIMAL SCIENCE - OLD SYLLABUS

Answer **SIX** questions selecting at least **TWO** from each section

Time : Three hours

SECTION I

1. Write short notes on the following.
 - a) Creep feeding
 - b) Metabolizable and net energy of feed.
 - c) Advantages and disadvantages of swill feeding.

2. Briefly discuss the following:
 - a) Importance, role and source of macro minerals in farm animals.
 - b) Importance of vitamins A and D in the nutrition of farm animals.

3. Write notes on any **Two** of the following:
 - a) Energy sources in animal nutrition.
 - b) Use of feed additives in animal feed.
 - c) Anti-nutritional factors in animal feed.

4. Discuss the following:
 - a) Importance of proper feeding of sow during gestation
 - b) Feeding of layer chicks from day old to 8th week.

5. Write notes on the following:
 - a) Amino acids.
 - b) *in vivo* method of feed evaluation.

SECTION II

6. Briefly discuss the following,

- a) Direct methods of evaluating pasture biomass production.
- b) Rotational grazing system and continuous grazing system in pasture management.

7. Describe the methods of pasture conservation adapted in the dry zone of Sri Lanka.

8. Discuss briefly the following:

- a) The importance of defoliation frequency and intensity in quality pasture production.
- c) Improving the quality of rice straw as a ruminant feed.