



EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE-2003/2004

ASC 2101- Ruminant and Non Ruminant Nutrition and Feed Formulation

End Semester Examination

Answer all questions

Duration: 2 hours

- 1) Briefly describe how you would advise a farmer on feeding management of layers from day old to 2 years of age.
- 2) Briefly discuss the following:
  - i. Creep feeding in swine management.
  - ii. Classification of feed additives according to their mode of action.
- 3) i. **'Water is an important compound in animal body'**. Comment on this statement.
  - ii. List the factors affecting Nitrogen (N) utilization in rumen.
  - iii. Diagrammatically illustrate protein metabolism in ruminants.
- 4) Write short notes on the following:
  - i. Measurement of microbial protein production in rumen
  - ii. Systems of expressing energy value of livestock feeds.
  - iii. Protein requirement for growth and lactation in ruminants.