

**EASTERN UNIVERSITY, SRI LANKA**  
**SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRIC. -2005/2006**  
**ASC-2101-Ruminant, Non-Ruminant Nutrition and Feed Formulation**  
**End Semester Examination**

Answer all questions

Duration: 2 hours

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1. Briefly discuss the followings:
  - a. The steps involved in *in vivo* method to determine the digestibility of a ruminant feeds.
  - b. Anti-nutritional factors present in animal feeds.
  
2. Write short notes on the followings:
  - a. Energy sources in livestock feeds.
  - b. Classification of feed additives according to their mode of action.
  
3. Briefly discuss the feeding plan of Hy-line white layers from day old chicks to point of lay.
  
4. Write short notes on the followings:
  - a. Feeding of fish or swill feeding.
  - b. Feeding of pregnant sows.