

**EASTERN UNIVERSITY, SRI LANKA**  
**SECOND YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2009/2010**  
**AS 2101 – APPLIED ANIMAL NUTRITION**  
**END SEMESTER EXAMINATION – DECEMBER/JANUARY -2012/2013**

Answer All Questions

Time: 2 Hours

1.
  - a. List out the methods of determining digestibility. (20 marks)
  - b. Briefly discuss the steps adopted in conducting digestion trials. (80 marks)
2. Write short notes on the following:
  - a. Feed additives. (30 marks)
  - b. Sources of protein. (30 marks)
  - c. Role of vitamin in ruminants. (40 marks)
3. Discuss the following:
  - a. Desirable characteristics of a ration. (50 marks)
  - b. Energy partition in ruminants. (50 marks)
4. Briefly explain the following:
  - a. Protein and lipid requirements and their feeding for fishes. (60 marks)
  - b. Nutritional requirements and feeding of white leghorns from day-old up to eight weeks. (40 marks)

