



**EASTERN UNIVERSITY, SRI LANKA**  
**THIRD YEAR, SECOND SEMESTER EXAMINATION IN AGRICULTURE-**  
**2002/2003**  
**ASC – 3202 FARM PRACTICE COURSE**

**Answer all questions**

**Time: Two Hours**

- 1) a) i) "Rice straw is an abundant feed resource in Sri Lanka and is also a potential source of energy for ruminant, however it has not been extensively used in animal feeding system". Justify the above statement.  
ii) List down the methods used to improve the nutritive value of straw.  
iii) Outline the steps involved in treating straw at EUSL livestock farm.
  - b) i) What do you mean by silage  
ii) What should be the qualities of good silage?  
iii) What mistakes could you make while making silage.  
iv) What measures will you adopt to reduce losses during silage making?
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- 2) a) Write the phenotypic characteristics of goat and sheep breeds available at the EUSL, Livestock farm.
  - b) Identify the shortcomings found in the Small Ruminant production at the EUSL, Livestock farm during your practical session and give the suitable remedial measures for these limitations.
  - c) Give the type of housing available for goat production at the livestock farm and recommend the best type of house with the reason.
  - d) Give the herd composition of dairy goats to supply 40 lit of milk per day.

- 3) a) i) List the tests that could be carried out to assess the quality of milk and milk products.  
 ii) List the milk defects and grading factors in milk.
- b) i) What is the purpose of adding starter culture in the manufacture of fermented milk products.  
 ii) Illustrate in detail the steps involved in cheese making.
- 4) a) i) What do you mean by the term Feed Conversion Efficiency (FCE).  
 ii) How does the value of FCE will help you to determine the profitability of broiler enterprise.
- b) A trial was conducted at the EUSL livestock farm to study change in feed conversion efficiency with age. The standard feed conversion efficiency and the results obtained in the trial are given in Table 1.

Age (Weeks)	FCE of Broilers at EUSL farm (Average)	Standard FCE
1	1.349	1.479
2	1.414	1.409
3	2.055	1.632
4	1.58	1.857
5	2.18	2.13
6	3.1	2.36

- i) Briefly interpret the results and state the reasons for the trend of the results given in Table 1.
- ii) Give suggestions to rectify the deficiencies.



5. i) How does rabbit keeping could help a farmer in income generation?  
ii) List the rabbit breeds available at the EUSL livestock farm  
iii) Among the breeds available which are suitable for meat purpose.  
iv) What are the average dressing percentage and litter size of rabbits?  
v) What sort of problems will you encounter while rearing rabbits and what precautions will you adopt to avoid these problems.  
vi) Briefly describe the process of clipping needle teeth in piglings?  
vii) What cautions should you take while clipping needle teeth and tail docking in pigs?

6. a) Define herd composition.  
b) Workout a herd composition to maintain 50 milking cows at a time.  
c) What measures will you take to assess whether a cattle farm is running profitably or not.