

EASTERN UNIVERSITY, SRI LANKA
THIRD YEAR SECOND SEMESTER EXAMINATION IN AGRICULTURE
(2011/2012)

AS 3201 PRACTICES IN LIVESTOCK PRODUCTION

Mar/Apr 2015

Answer all questions

Time allowed: 2 hours

1.
 - a. Define the terms 'acid precipitation of milk' and 'milk coagulation'
 - b. Illustrate the detail steps involved in yoghurt making and explain the purpose of adding ingredients
 - c. What is bird flu (Avian Influenza)? and suggest the control programme for this disease
 - d. Explain the main drawback identified in cattle and buffalo unit at the livestock farm, EUSL during your farm practice course and explain the way to improve the unit in future.

2.
 - a. List out the special practices that you carried out in management of goat and/or sheep in EUSL farm during your practice period.
 - b. Discuss the constraints encountered in managing the goats at EUSL livestock farm.
 - c. Explain the processes involved in artificial breeding of carps from selection of broodfish up to hatching of fertilized eggs practiced in Dambulla fish breeding centre.
 - d. Explain the feeding practices carried out in Dambulla fish breeding centre for carps during
 - i. Post-larvea to fry stage
 - ii. Fry to fingerling stage

3.
 - a. Name the swine breeds available at livestock farm, EUSL
 - b. How would you advice a farmer to improve the swine productivity through special feeding practices at low cost?
 - c. Give a brief description on the key practices necessary in rabbit breeding

4.

- a. Briefly explain the factors that you considered when selecting good layer chickens from the poor layer chickens during your practices in Livestock farm.
- b. A farmer was advised to raise a total of 45, unisex, Indian River strain, day-old broiler chicks from day-old to sixth week. He randomly divided the chicks into three groups having 15 birds each, and managed them similarly up to six weeks. At the end of sixth week, he obtained the output as indicated in below table.

Output	Group I	Group II	Group III
No. of birds	15	15	15
Average day-old chick weight (g)	50	48	50
Average live weight (kg)	1.9	1.9	2.1
Average dress weight (kg)	1.48	1.38	1.45

- i. Calculate the following for each group:
 1. Average body weight gain.
 2. Average dressing percentage.
 - ii. Which group of birds showed an economically good growth performance? Comment on this.
 - c. Briefly explain three management problems that you have faced in Poultry unit during your farm practice course and write down the solutions that you put forwarded to solve each problems
5. Plan out a fodder unit to supply forage throughout the year to maintain two dairy cows in a small dairy enterprise. Give your all assumptions.