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EASTERN UNIVERSITY SRI LANKA
THIRD YEAR, SECOND SEMESTER EXAMINATION IN AGRICULTURE-
2002
FARM PRACTICE COURSE IN ANIMAL SCIENCE – (ASC 3202)

Answer all questions

Time: Two hours

1. You have been provided with 100 broiler day-old chicks and have been requested to manage the broilers from day old to up to the point of slaughtering.

a) Describe the management practices you would adopt from day-old to up to the point of slaughtering to get good carcass and maximum profit.

b) Give the requirement of the following (quantity or number).

i) Feederers

ii) Waters

iii) Broiler starter mash

iv) Broiler finisher mash

c) Below given is the records obtained from the EUSL livestock farm during the course of managing 100 broilers from day- old to up to the point of sale.

Cost of chick :- 30/= per chick

Total feed cost :-11,001/=

Drugs and miscellaneous cost :- 483/=

Total carcass weight produced :-115.65 kg

Price of broiler :- 130/= per kg of carcass weight

Mortality rate :- 5%

i) Do a cost benefit analysis considering only the marginal cost of Production.

ii) Give 5 valuable suggestions, which could improve the profit margin.

(One Hour)

- 2.
- Define ration formulation
 - What are the methods available for ration formulation?
 - What are the uses of Pearson's single and double square methods?
 - If you are going to use the Pearson's square method what basic condition should the ingredients meet?
 - A farmer has a protein source, Cottonseed meal with 40% crude protein and some grain with 10% crude protein and he needs a mixture of the two, which will be 18% crude protein. In what proportion he should mix the two ingredients?
 - In another case a farmer wants a final mix with 12% CP and 74%TDN. He has corn with 10 and 80, Cottonseed meal with 40 and 68 and Alfalfa hay with 15 and 55% CP and TDN. What will be the composition of the final mix?

(20 mins)

- 3.
- What do you mean by swill?
 - What are the merits of feeding swill?
 - What are the demerits of feeding swill?
 - Briefly describe the steps involved in processing of swill?
 - What cautions should be taken while feeding swill to pigs of different stages?

(20 mins)

- 4.
- Why does it important to manage cattle?
 - Why does it important to maintain high reproductive efficiency in cattle?
 - What parameters will you consider to determine reproductive efficiency in cattle?
 - Describe the steps involved in good hand milking procedure.

(20mins)