

Uganda Martyrs University

Faculty of Agriculture

B. Agriculture II, Semester II Final Assessment: 2015/2016

Course Unit: ARE 2203 Non Ruminant Animal Husbandry

Time: 09:30 am – 12:30 pm

Date: Wednesday 04th May 2016

Instructions:

- i. Answer 4 (Four) questions.
 - ii. Do not write anything on a question paper
 - iii. Time: Three hours
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1. (a) A poultry farmer has approached you for assistance concerning the size of the house and the number of linear feeders he should have for his anticipated project of layers at their laying stage. If the farmer aims at having 3000 birds at the time of laying (5 months or 20 weeks old), how much floor space in square meters will he need and how many linear feeders of 60 cm on either side will he need.

(b) Give any three sources of (i) energy, (ii) protein and (iii) minerals that this farmer can use at this stage of laying

(c) If the above farmer wants to formulate 1000 kg of a diet with a crude protein of 18% for layers from maize with a crude protein content of 9% and soya bean meal of crude protein 45%, with the premix containing all the essential minerals and vitamins contributing 8.1% of the final ration. How many kg of maize, soya bean meal and the premix will he mix.

2. (a) Define the following terms

- (i) Creep feed
- (ii) Grower feed
- (iii) Sow and weaner meal

(b) Performance of a piggery unit may depend on how the parent stock used for breeding is selected. State four principles governing the selection of breeding sows.

3. (i) What do you understand by the term premix, as applied to poultry feeds.

- (ii) State three major principles governing poultry ration formulation
- (iii) As a poultry feed manufacturer, describe any five ways of carrying out quality control in poultry feeds.