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University Examinations 2013/2014

SECOND YEAR, SECOND SEMESTER EXAMINATION FOR DIPLOMA IN AGRICULTURE

ANS 0230 – NON-RUMINANT HUSBANDY

DATE: DECEMBER 2013

TIME: 1 $\frac{1}{2}$ HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE – 30 MARKS

- (a) Briefly describe the free range system of rearing poultry giving advantages and disadvantages. (10Marks)
- (b) What are the signs of a cow on heat? (5Marks)
- (c) List five advantages bee-keeping has over other farm enterprises. (5Marks)
- (d) Explain the aspects of bee swarming and how it can be prevented. (5Marks)
- (e) Give five reasons why rabbit production is necessary in Kenya. (5Marks)

QUESTION TWO – 15 MARKS

- (a) Define the following terms: (5Marks)
 - (i) Pullet year
 - (ii) Furrowing
 - (iii) Drone
 - (iv) Cannibalism
 - (v) Baconer
- (b) Piglet mortality can tremendously reduce the profitability of a pig enterprise.
 - (i) Discuss causes of piglet mortality and how you can reduce them. (5Marks)

- (ii) List 3 equipment in a rabbit house. (3Marks)
- (iii) Why are records important in livestock production? (2Marks)

QUESTION THREE – 15 MARKS

- (a) Define culling and explain how culling is done at different stages of culling. (5Marks)
- (b) What are the signs of approaching furrowing? (5Marks)
- (c) What preparations should be made 7 days before furrowing? (5Marks)

QUESTION FOUR – 15 MARKS

- (a) Name six (6) hive products and which among them is the major product. (8Marks)
- (b) Differentiate between the following: (7Marks)
 - (i) Bee swarming and bee-absconding
 - (ii) Broilers and roasters
 - (iii) Gilt and sow

QUESTION FIVE – 15 MARKS

- (a) Give simple methods of observing low, high and optimal temperatures in a brooder. (5Marks)
- (b) Name five diseases which affect pigs. (5Marks)
- (c) Name five diseases that affect rabbits. (5Marks)