

ANSC 460

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE IN BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION

ANSC 460: NON-RUMINANT

STREAMS: ANPT Y3S2, AGRI Y4S2

TIME: 2 HOURS

DAY/DATE: FRIDAY 12/4/2024

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS: ANSWER ALL QUESTIONS IN SECTION A AND ANY TWO IN B

SECTION A (30 MARKS)

1. (a) Explain methods farmers use to overcome common problems within poultry farming. (2 marks)
- (b) Describe a production system farmers prefer to keep crossbred chicken. (2 marks)
- (c) Minerals are inorganic substances necessary for the normal body functioning. Describe common mineral sources farmers use in order to meet requirements for their birds. (2 marks)
- (d) Minerals are inorganic substances necessary for the normal body functioning, describe common mineral sources farmers use in order to meet requirements for their birds. (2 marks)
- (e) Describe egg incubation as the first operation towards poultry propagation. (2 marks)
2. (a) Describe operational stages of an artificial incubator commonly used by poultry breeders. (2 marks)
- (b) The early separation according to sex of young chicks is important factor in poultry management, describe methods poultry farmers use to achieve this. (2 marks)

- (c) Rabbits are commonly referred to as hind-gut fermenters, explain how they fulfill this function. (2 marks)
 - (d) The quality of protein is critical for optimum performance in rabbits, describe the recommended crude protein levels in terms of dry matter for various classes of rabbits. (2 marks)
 - (e) Describe characteristics of the foot of a typical pig. (2 marks)
3. (a) Explain reasons why farmers prefer the following pig breeds (2 marks)
- (i) Large white
 - (ii) Duroc
- (b) Explain ways farmers use to stimulate sows to get into estrus. (2 marks)
- (c) Explain circumstances which inhibit the worker bees from laying eggs(2 marks)
- (d) One of the commonly used hives by beekeepers is the Langstroth, describe it. (2 marks)
- (e) Bee wax can be used to make severally products, describe a method beekeepers use to render honey combs into wax. (2 marks)

SECTION B (40 MARKS)

4. (a) Poultry housing is important in keeping chicken productive, discuss elements that influences in its construction. (10 marks)
- (b) Describe factors influencing egg production in ducks. (10 marks)
5. (a) Describe the various cuts of a pig carcass. (10 marks)
- (b) Discuss factors influencing marketing of the pig products in Kenya. (10 marks)
6. (a) Explain the various requirements that should be met when farmers are considering rabbitary equipment. (10 marks)
- (b) Discuss factors influencing honey quality in Kenya. (10 marks)
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