



A Constituent College of Kenyatta University

UNIVERSITY EXAMINATIONS 2011/2012 ACADEMIC YEAR

INSTITUTIONAL BASED PROGRAMME

**2ND YEAR EXAMINATION FOR THE DIPLOMA IN AGRICULTURAL
EDUCATION AND EXTENSION**

COURSE CODE/TITLE: KAN D211 – RUMINANT PRODUCTION

END OF SESSION: I

DURATION: 2 HOURS

DAY/TIME: WEDNESDAY 4.00PM – 7.00PM

DATE: 18.04.2012-NL1

INSTRUCTIONS

Answer **ALL** questions in Section **A** and any **THREE** in section **B**

SECTION A: 40 MARKS

Question One

Define the following terminologies:-

(7 marks)

- a) A runt
- b) Kindling
- c) A poult
- d) Shote
- e) Fingerling
- f) Canonization
- g) A coop

Question Two

Differentiate between apiology and apiculture. (2 marks)

Question Three

A honey bee from South Sudan is classified as *Apis mellifera nubica*. Identify its race and species name. (2 marks)

Question Four

Give a reason why man has not been successful in manufacturing artificial honey. (1 marks)

Question Five

Outline any five ideal characteristics of a laying nest. (5 marks)

Question Six

Outline three categories of pig breeds reared in Kenya. (3 marks)

Question Seven

State two differences between a queen bee and a worker bee sting. (2 marks)

Question Eight

- a) What is the disadvantage of designing ponds in series? (2 marks)
- b) Outline five important activities that must be carried out on the pond after excavating and erection of dykes the pond to the point of stocking fish. (5 marks)

Question Nine

Name the specific type of commercial feed given to the following classes of livestock. (3 marks)

- a) Piglet
- b) Pullet grower at the age of 16 weeks
- c) Boar
- d) Lactating sow
- e) Porker at the age of 5 months
- f) Broiler chick

Question Ten

- a) Name two main features associated with deep litter house. (2 marks)
- b) Calculate maximum and minimum number of layers that can be raised in a deep litter house measuring 6m by 12m. (6 marks)

SECTION B – ANSWER ANY THREE QUESTIONS (30 MARKS)

Question Eleven

Explain any two of the following behaviours in bees (10 marks)

- a) Mating behavior
- b) Absconding
- c) Temporal polytheism

Question Twelve

Outline the slaughtering procedure in pigs. (10 marks)

Question Thirteen

Describe how poultry industry is organized in the world. (10 marks)

Question Fourteen

Explain in detail the criteria for choosing eggs for incubation. (10 marks)

Question Fifteen

Why do some fish farmer's prefer while other are against aquatic weeds in a fish pond? (10 marks)