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(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

SECOND YEAR SUPPLEMENTARY EXAMINATION

FOR THE DEGREE OF B.Sc. IN:

AGRICULTURE AND BIOTECHNOLOGY

AGRICULTURE EDUCATION AND EXTENSION

AGRIBUSINESS MANAGEMENT AND MARKETING

FOOD PROCESSING AND TECHNOLOGY

AGRICULTURE ECONOMICS AND RESOURCE MANAGEMENT

COURSE CODE: AAP 201

COURSE TITLE: PRINCIPLES OF ANIMAL PRODUCTION

DATE: 27.7.22

TIME: 11-1PM

Instruction to candidates

1. ANSWER ALL QUESTIONS IN SECTION A AND ANY TWO QUESTIONS IN SECTION B

SECTION A (30 MKS)

1.

- a) Describe Feedlot system as applied in beef production system (2 Marks)
- b) Describe the main difference between large white and landrace breeds of pigs (2 Marks)
- c) Describe four major causes of piglet mortalities (4 Marks)
- d) Describe moulting in hens and five factors that influences moulting in hens (6 Marks)
- e) Describe comfort zone as applied in animal adaptation to environment (2 Marks)
- f) Describe four ways for treatment of mastitis in cows (4 Marks)
- g) Describe the mating ratio of buck: doe in goats, and Ram : ewe in sheep (3 Marks)
- h) Discuss five characteristics of a good layer bird (5 Marks)
- i) Describe 4 methods commonly used for castration in cattle (2 Marks)

SECTION B (40MKS)

1. a) Describe a basal diet in cattle giving examples (5 Marks)
b) Describe the factors you would advise a farmer to consider in selection of a bull and a cow for breeding (15 Marks)
2. Describe each general routine management practices of cattle, highlighting the importance of the practice (20 Marks)
3. Describe natural mating and artificial insemination as methods of breeding in cattle citing the advantages and disadvantages of each method (20 Marks)