



(University of Choice)  
**MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS  
2021/2022 ACADEMIC YEAR**

**FIRST SEMESTER EXAMINATIONS  
SUPPLEMENTARY**

**FOR THE DEGREE OF BSc. IN:  
BSc. ANIMAL PRODUCTION AND PROCESSING**

**COURSE CODE: AAP 101**

**COURSE TITLE: INTRODUCTION TO ANIMAL PRODUCTION AND PROCESSING**

**DATE: 25.7.2022**

**TIME: 2-4 PM**

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Instruction to candidates

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

**SECTION A (30 MKS) THE MARKS TOTALS TO 24**

1. a) Highlight two examples of legume pastures used for feeding livestock (2 Marks)
  - a) Describe 4 disadvantages of deep litter system in poultry (4 Marks)
  - b) Describe two examples of legumes for feeding livestock (2 Marks)
  - c) Describe two breeds of sheep (2 Marks)
  - d) Describe three examples of farm by products used as feed for livestock (3 Marks)
  - e) Describe 4 areas in Kenya which fall in agro-ecological zone 111 and name one common grass and legume suitable in this zone (4 Marks)
  - f) Describe 3 importance of royal jelly (3 Marks)
  - g) Describe 2 examples of beef production system (2 Marks)
  - h) Explain four methods of feeding milk to a calf (4 Marks)
  - i) Describe

**SECTION B (40MKS)**

- 2a.) Discuss the importance of processing livestock products (15 Marks)
  - b) Briefly explain the term processing (5 marks)
- 3 a) Analyze the advantages and disadvantages of artificial insemination in cattle (17 Marks).
  - b) Describe artificial insemination in cattle (3 Marks)
4. Describe the problems and challenges that hinder expansion of the livestock production sector in Kenya (20 Marks)