



***“Investing in Africa’s future”***

**COLLEGE OF HEALTH, AGRICULTURE & NATURAL  
SCIENCES**

**NAAS212: ANIMAL PRODUCTION**

**END OF FIRST SEMESTER FINAL EXAMINATIONS**

**NOVEMBER/DECEMBER 2022**

**LECTURER: DR. S. CHAKEREDZA**

**DURATION: 3 HOURS**

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**INSTRUCTION**

Answer all questions from Section A,

Select Any 3 questions from Section B

## **SECTION A**

### **Question 1 Answer all questions in this section**

1. Does Animal Production have potential in Developing countries?. Discuss [15]
2. Discuss the following practices relating to beef production
  - a) Artificial Insemination [5]
  - b) Castration [5]
  - c) Dosing [5]
  - d) Dehorning [5]
3. Do Animals also have rights? State your argument [5]

### **Section B. Choose any three (3) questions**

2. In formulating concentrates to feed to animals normally the Pearson Square is used. Formulate a concentrate fraction to achieve 12 % crude protein (CP) using soybean meal (45 % CP) and maize meal (9.6 % CP). Show your working and at the end show how the percentage inclusion is arrived at . [20]
3. How do you ensure maintenance of quality along the milk value chain? Discuss [20]
4. Discuss in detail on the 4 Ps of marketing regarding beef production. [20]
5. How are beef carcasses graded in Zimbabwe? How can this scheme be improved? [20]
6. How can smallholder dairy farmers do in meeting the milk quality standards? [20]

**END OF EXAMINATION PAPER**