

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN  
ANIMAL SCIENCE**

**ANSC 362: PIG PRODUCTION**

**STREAMS: ANSC Y3S2**

**TIME: 2 HOURS**

**DAY/DATE: MONDAY 08/04/2024**

**11.30 A.M – 1.30 P.M.**

**INSTRUCTIONS:**

- **Answer ALL questions in SECTION A and ANY OTHER TWO in SECTION B.**

**SECTION A: ANSWER ALL QUESTIONS (30 MARKS)**

1. Define the following : Barrener; Ham; Heterosis; Runt. (4 marks)
2. The pig productivity in Kenya is low, why is this so? (5 marks)
3. List four pig's classifications, based on nutrient requirements. (2 marks)
4. Write short notes on the following pig disease and infection. (6 marks)
  - (i) Tapeworm (measles)
  - (ii) African Swine Fever
5. Describe the methods of improving the genetic potential of your herd of pigs. (5 marks)
6. Explain the management of piglets immediately after birth. (5 marks)
7. Name the by-products of pig carcass, showing the function of each. (3 marks)

**SECTION B: ANSWER ANY TWO QUESTION (40 MARKS)**

8. Explain the daily feed requirements for different classes of pigs, with feeding methods for each group. (20 marks)
9. Discuss farrowing, the preparation measures and birth piglets. (20 marks)

10. (a) Fill in blank spaces on the table below. (8 marks)

	<b>Ashanti</b>	<b>Kenya</b>	<b>Landrace</b>	<b>Large white</b>
Litter-size at birth	6.5	7.9	14.0	12.9
Litter-size at weaning	5.5	7.5	11.5	10.5
Pre-weaning mortality (%)	-	-	-	-
Average weaned piglets (%)	-	-	-	-

- (b) Considering the table above compare the breed performance and show suitable uses for each breed. (12 marks)
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