

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

RESIT/SPECIAL EXAMINATION

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

ANSC 362: PIG PRODUCTION

STREAMS: BSC ANSC

TIME: 2 HOURS

DAY/DATE: TUESDAY 02/02/2021

2.30 P.M – 4.30 P.M.

INSTRUCTIONS

- Answer all question in Section A and Any two in B

Section A (30 Marks)

1. a) Outline four disadvantages of pig farming (2 marks)
- b) Briefly describe the following breeds of pigs (3 marks)
 - i) Duroc
 - ii) Large white (Yorkshire)
 - iii) Landrace
- c) State two attributes to consider when selecting a boar (1 mark)
- d) State two advantages of creep feeding piglets at early stages of growth (1 mark)
- e) Outline four methods of minimizing stress during piglets weaning (2 marks)
- f) List two factors to consider when locating a piggery unit (1 marks)
2. a) State two minerals required in the greatest amount in pig diets (1 mark)
- b) List one drawback of feeding soybean to pigs (1 mark)
- c) State four pig classifications, based on nutrient requirements (2 marks)
- d) List two types of commercial feeds for pigs (1 mark)
3. a) Outline two pig feeding methods (2 marks)
- b) State four measures that should be taken during transportation of pigs to the slaughter house (2 marks)
- c) Outline Lairage and its importance (1 mark)

- 4. a) State eight pig carcass cuts (2 mark)
- b) Outline eight classes of pig carcasses (4 marks)
- c) State two pig carcass by-products and their uses (2 marks)
- d) State four processed pig products (2 marks)

Section B (40 marks)

- 5. a) By use of an illustration, describe how ear notching is used as a means of identifying piglets (8 marks)
 - b) Write short notes on the following pig diseases
 - i) Tapeworm (measles) (3 marks)
 - ii) African Swine Fever (3 marks)
 - iii) Foot and mouth disease (FMD) (3 marks)
 - iv) Post weaning syndrome (oedema disease) (3 marks)
 - 6) a) Describe general aspects of pig management (10 marks)
 - b) Discuss pig industry potential in tropics (10 marks)
 - 7. Discuss pig production systems (20 marks)
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