



"Investing in Africa's Future"

**COLLEGE OF SOCIAL SCIENCES, THEOLOGY, HUMANITIES AND
EDUCATION (CSSTHE)
DEPARTMENT OF EDUCATION**

AAS 301: Applied Animal Nutrition

END OF SECOND SEMESTER EXAMINATIONS

APRIL/MAY 2018

LECTURER: MR. S. WASHAYA

DURATION: 3 HOURS

INSTRUCTIONS

1. Answer any **FIVE** questions
2. Each question carries **20 marks**.

1. Discuss the importance of calcium , iron, copper and vitamin A in animal nutrition
(20 marks)
2. Given the following information formulate a broiler finisher diet (CP 21%)
using the Pearson Square method (20 marks)
Yellow maize CP = 9.5%
Soya bean meal CP = 45 %
3. Describe factors that affect DMI in animal nutrition (20 marks)
4. Write short notes on the role of the following in animal nutrition:
 - a. Carbohydrates (5 marks)
 - b. Proteins (5 marks)
 - c. Vitamins (5 marks)
 - d. Phosphorus (5 marks)
5. Briefly discuss the following
 - a. Pelleting (8 marks)
 - b. Steam rolling and flacking (6marks)
 - c. Fish meal in pet food (3 marks)
 - d. Antinutrients (3 marks)
6. Give a detailed account on the importance of voluntary feed intake in both monogastric and ruminant animals (20 marks)
7. Describe the Proximate Analysis as a feed evaluation method, highlighting the advantages and weaknesses. (20 marks)

END OF PAPER