

CHUKA



UNIVERSITY

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

ANSC 332: FEEDS AND FEEDING

STREAMS: B.SC ANSC

TIME: 2 HOURS

DAY/DATE: TUESDAY 10/12/2019

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

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

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

1. (i) Define the following [7 marks]
- (a) Feedstuff
 - (b) Roughage
 - (c) Nutrient
 - (d) Concentrate
 - (e) Silage
 - (f) Hay
 - (g) Ideal protein
- (ii) Explain 3 factors that affect feed intake in animals. [3 marks]
- (iii) List 2 most common limiting amino acids in cereals. [2 marks]
- (iv) Explain the difference between protein supplement of plant & animal origin giving examples for each. [2 marks]

- (v) Briefly describe the factors considered in ration formulation. [8 marks]
- (vi) Briefly describe 4 methods of feed processing. [4 marks]
- (vii) List 2 sources of mineral elements used in feed supplement for animals. [2 marks]
- (viii) Define a feed additives giving examples. [2marks]

SECTION B: ANSWER ANY TWO QUESTIONS

- 2. Explain how feeds are international classified, also show how feeds are grouped based on their composition. [20 marks]
 - 3. How is feed quality measured? [20 marks]
 - 4. Discuss the protein feeding standards for a) growth and b) maintenance in poultry. [20 marks]
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