

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF ANIMAL HEALTH AND PRODUCTION

ANSC 455: ANIMAL BY-PRODUCTS

STREAMS: ANSC Y4S2

TIME: 2 HOURS

DAY/DATE: MONDAY 9/04/2018

8.30 A.M - 10.30 A.M.

INSTRUCTIONS:

- Answer ALL Questions in Section A and any TWO Questions in Section B

SECTION A - ANSWER ALL QUESTIONS

1. (a) Differentiate between animal products and animal by-products. [2 Marks]
(b) What are the sources and uses of the following by-products; casein, keratin and tallow. [6 Marks]
(c) What precautions should one take during loading and unloading animal by-products? [4 Marks]
(d) Describe the different animal by-product categories and give examples. [6 Marks]
(e) How has the cosmetic industry benefited from animal by-products? [5 Marks]
(f) List what is to be inspected while conducting an ante-mortem examination. [7 Marks]

SECTION B - ANSWER ANY TWO QUESTIONS

2. Compare chrome tanning with vegetable extracts tanning. [20 Marks]
 3. Explain the processing of feathers into feather meal. [20 Marks]
 4. Giving examples explain how animal by-products reduce hazardous environmental impact of organic waste. [20 Marks]
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