

CHUKA



UNIVERSITY

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EXAMINATION FOR THE AWARD OF CERTIFICATE IN ANIMAL HEALTH AND PRODUCTION

ANHE 00351: PUBLIC HEALTH AND ANIMAL PRODUCTS

STREAMS: CERT (ANHE) Y2S2

TIME: 2 HOURS

DAY/DATE: THURSDAY 7/12/2017

11.30 A.M - 1.30 P.M.

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**INSTRUCTIONS:**

- Answer ALL Questions in SECTION A and any TWO in SECTION B
- Do not write anything on the question paper

**SECTION A [40 MARKS]**

**QUESTION ONE**

- (a) Explain the aspect of food production and safety in public health. [4 Marks]
- (b) Using examples, discuss disease prevention activities in public health. [6 Marks]

**QUESTION TWO**

- (a) Briefly explain short notes on antimicrobial residues in milk. [6 Marks]
- (b) State the importance of particle size as a factor affecting good composting. [4 Marks]

**QUESTION THREE**

- (a) Briefly explain the establishment of corrective actions in HACCP. [5 Marks]
- (b) Why are documents and records important in the HACCP procedures? [5 Marks]

**QUESTION FOUR**

- (a) Write short notes on rendering. [5 Marks]
- (b) Name any 5 microbial zoonoses common in Kenya stating how they are transmitted. [5 Marks]

**SECTION B [30 MARKS]**

**QUESTION FIVE**

- (a) Write short notes on the good hygiene practices that safeguard water quality. [8 Marks]
- (b) Write short notes on water pollution. [5 Marks]
- (c) Briefly explain the flocculation stage in water treatment. [2 Marks]

**QUESTION SIX**

Explain the uses of the following in a slaughter house

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|-------------|-----------|
| (a) Pits    | [4 Marks] |
| (b) Roofing | [3 Marks] |
| (c) Records | [3 Marks] |
| (d) Lairage | [3 Marks] |
| (e) Knives  | [2 Marks] |

**QUESTION SEVEN**

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|--|------------|
| (a) Write short notes on utilization of slaughterhouse byproducts. | [14 Marks] |
| (b) Why is oxygen flow important in composting.                    | [1 Mark]   |
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