CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN ANIMAL HEALTH AND PRODUCTION

ANHE 0351: PUBLIC HEALTH AND ANIMAL INDUSTRY

STREAMS: DIP (ANHE) Y2S2   **TIME: 2 HOURS**

DAY/DATE: FRIDAY 8/12/2017   **2.30 APM - 4.30 P.M.**

INSTRUCTIONS:
- **Answer ALL Questions in Section A and any TWO in Section B**

SECTION A [30 MARKS]
QUESTION ONE
(a) Using clear examples, explain the ways through which public health interventions may be achieved.   [6 Marks]

(b) Define HACCP.   [2 Marks]

(c) Why are corrective actions taken in HACCP?   [2 Marks]

QUESTION TWO
(a) Name any 5 parasitic zoonoses common in Kenya and briefly state how they can be prevented.   [5 Marks]

(b) Discuss water hardness.   [5 Marks]

QUESTION THREE
(a) Enumerate the various sources of water.   [4 Marks]
(b) What is the purpose of aeration in water treatment?   [2 Marks]
(c) What does meat processing involve?   [4 Marks]

SECTION B [40 MARKS]
QUESTION FOUR
(a) Clearly distinguish the case fatality rate and the survival rate.   [4 Marks]

(b) An outbreak of typhoid is reported at Chuka University dispensary and you have been asked to design a study to assess the disease among the 800 University staff. Design this focusing on one study factor (contaminated watering point/sink) and ensure this study will be acceptable when evaluated by management.   [16 Marks]

QUESTION FIVE
(a) What is a Lairage and why is it important in public health?   [2 Marks]
(b) Discuss the characteristics of an ideal slaughter facility.   [18 Marks]

QUESTION SIX
(a) Discuss the residues in milk and their related hazards.   [10 Marks]
(b) Explain fore milking in relation to public health.   [5 Marks]
(c) Discuss detergents in relation to milk hygiene   [5 Marks]
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