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UNIVERSITY EXAMINATIONS
RESIT/SPECIAL EXAMINATION

EXAMINATION FOR THE AWARD OF CERTIFICATE IN ANIMAL HEALTH

ANHE 00135: ZOOZOSES AND ONE HEALTH CONCEPT

STREAMS: CERTIFICATE ANHE

TIME: 2 HOURS

DAY/DATE: MONDAY 28/08/2023

2.30 P.M – 4.30 P.M.

INSTRUCTIONS

- Answer ALL Questions in Section A and any TWO in Section B .
- DO NOT WRITE anything on the question paper.

SECTION A: ATTEMPT ALL QUESTIONS (40 MARKS)

QUESTION ONE

- (a) Define the following terms
- (i) Anthroozoonoses (2 Marks)
 - (ii) Zooanthroponoses (2 Marks)
 - (iii) Amphixenoses (2 Marks)
 - (iv) Reservoir (1 Mark)
- (b) List five (5) risk factors influencing spread of zoonotic diseases (5 Marks)
- (c) Explain why the term “Neglected Zoonotic Disease” (4 Marks)
- (d) List four (4) challenges facing one health concept initiative (4 Marks)
- (e) State five (5) economic impacts of zoonoses (5 Marks)
- (f) Highlight five (5) factors that determine the incubation period of rabies (4 Marks)
- (g) What reasons suggest that Coronavirus disease (COVID-19) could have originated from animals. (3 Marks)
- (h) State three (3) ways in which avian influenza virus can be introduced into Kenya (3 Marks)

(i) Highlight five (5) challenges facing control of Hydatidosis control in Kenya. (5 Marks)

SECTION B: ATTEMPT ANY 2 QUESTIONS (30 MARKS)

QUESTION TWO

Discuss Leptospirosis in terms of:

- (a) Aetiology (1 Mark)
- (b) Three (3) means of transmission in humans (6 Marks)
- (c) Reservoirs of infection (3 Marks)
- (d) Control and prevention measures using one health approach (5 Marks)

QUESTION THREE

Toxoplasmosis is a protozoal zoonoses. Discuss it under the following subtopics:

- (a) Aetiology (1 Mark)
- (b) Two (2) modes of transmission in man (2 Marks)
- (c) Three (3) forms and accompanying clinical signs in humans (6 Marks)
- (d) Risk factors associated with toxoplasmosis (3 Marks)
- (e) Three (3) prevention and control strategies (3 Marks)

QUESTION FOUR

Regarding Cysticercosis, discuss the following:

- (a) Aetiological and modes of transmission in man, cattle and pigs (3 Marks)
- (b) Factors contributing to the spread of disease (4 Marks)
- (c) Clinical signs observed in humans (4 Marks)
- (d) Prevention and control measures (4 Marks)

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