

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

ANHE 423: VETERINARY PARASITOLOGY AND PARASITIC DISEASES

STREAMS: B.Sc Animal Science Y4S1

TIME: 2 HOURS

DAY/DATE: THURSDAY 7/12/2017

8.30 A.M - 10.30 A.M.

INSTRUCTIONS:

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

SECTION A: [30 MARKS]

QUESTION ONE

- (a) Classify the various types of nematodes of veterinary importance. [6 Marks]
- (b) Explain the various ways of naming hosts. [3 Marks]
- (c) Name any two kidney worms and the domestic animals species they affect. [1 Mark]

QUESTION TWO

- (a) Discuss emergence and transmission in parasites. [7 Marks]
- (b) Explain the mechanical responses of the host towards parasites. [3 Marks]

QUESTION THREE

- (a) Name two diseases transmitted by culicoides. [2 Marks]
- (b) Explain the control of *Musca autumnalis* (Face fly). [3 Marks]
- (c) Name two oesophageal worms that occur in domestic animals. [2 Marks]
- (d) Explain the vertical disease transmission in ticks. [3 Marks]

SECTION B [40 MARKS]

QUESTION FOUR

- (a) Explain the indirect life cycle of a protozoan disease transmitted by ticks. [3 Marks]

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- (b) You are called to assist in a case of Sarcoptic Mange. Discuss this condition under the following topics;
- (i) Aetiology and the respective host species. [1 Mark]
 - (ii) Pathogenesis and clinical manifestation [7 Marks]
 - (iii)Diagnosis [4 Marks]
 - (iv)Treatment [5 Marks]

QUESTION FIVE

- (a) Explain the life cycle of liver flukes. [5 Marks]
- (b) Write short notes on Trypanosomiasis under the following topics
- (i) Aetiology [1 Mark]
 - (ii) Transmission [3 Marks]
 - (iii)Clinical signs [5 Marks]
 - (iv)Treatment [2 Marks]
 - (v) Control [4 Marks]

QUESTION SIX

- (a) Discuss the clinical signs, treatment and control of *Echinococcus granulosus* (Hydatidosis) [10 Marks]
- (b) Explain the clinical signs of *Strongylus vulgaris* in equines. [5 Marks]
- (c) Describe the life cycle of *Dilofilaria immitis* (canine heart worm). [5 Marks]
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