

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF
BACHELOR OF SCIENCE IN ANIMAL SCIENCE**

ANHE 423: PARASITOLOGY AND PARASITIC DISEASES

STREAMS: BSC (ANSC) Y4S1

TIME: 2 HOURS

DAY/DATE: MONDAY 03/12/2018

2.30 PM-4.30 PM

INSTRUCTIONS:

- **Answer ALL Questions in Section A**
- **Answer any other Two questions in Section B**
- **Do not write on the question paper. All rough work must be written on the answer booklet and then crossed.**

SECTION A (30 MARKS)

1. Explain the meaning of the following terminologies.

(a) Symbiosis	[2 marks]
(b) Phoresis	[2 marks]
(c) Incubation period	[2 marks]
(d) Obligatory parasite	[2 marks]
(e) Myiasis	[2 marks]

2. Indicate the significance of *Glossina* species in livestock industry. [2 marks]

3. Outline the general morphology of cestodes. [5 marks]

4. State five clinical signs of East Coast Fever. [5 marks]

5. Highlight the control measures for Hydatidosis. [3 marks]

6. Mention the most important role of *Heterakis gallinarum* [2 marks]

7. Give three examples of antihelmintics. [3 marks]

SECTION B (40 MARKS)

8. Describe the lifecycles of the following parasites

- (a) *Sarcoptes scabiei* [10 marks]
- (b) *Fasciola hepatica* [10 marks]

9. Discuss:

- (a) Trichomoniasis under; Causative agent, Transmission, Clinical signs and treatment. [10 marks]
- (b) The challenges associated with the use of molluscides when controlling trematodes. [6 marks]
- (c) The effects of 'nodular worms' in the animal? [4 marks]

10. (a) In an orderly sequence, describe the general lifecycle of *Eimeria* species. [15 marks]
- (b) Discuss the advantages and disadvantages of using traps in tsetse fly control. [5 marks]
-