



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE
PUBLIC & COMMUNITY HEALTH AND DEVELOPMENT
2ND YEAR 2ND SEMESTER 2022/2023 ACADEMIC YEAR
MAIN/KISUMU CAMPUS

COURSE CODE: HCB 2208

COURSE TITLE: VETERINARY AND MEDICAL PARASITOLOGY

EXAM VENUE: STREAM :(BSc. Comm.Health‘)

DATE: EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

Answer all the questions in Section A each contain 3 marks and ANY other two questions in Section B each contain 20 marks.

- 1. Candidates are advised not to write on the question paper.**
- 2. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A: ANSWER ALL QUESTIONS (30 marks)

1. Categorize Protozoa according to degree of pathogenicity, types of organs for locomotion and location of invasion in the body. (3 marks)
2. Define the following terms: (3 marks)
 - a. Definitive host
 - b. Ookinete
 - c. Gametocytes
 - d. Erratic parasite
 - e. Sporozoite
 - f. Malabsorption syndrome
3. State three conditions or diseases which *Entamoeba histolytica* may cause. (3 marks)
4. Which are the three clinical syndromes attributed to Toxoplasmosis. (3 marks)
5. Suggest three simple strategies to prevent the propagation of malaria. (3 marks)
6. Provide scientific names of three important protozoa that transmit Leishmaniasis. (3 marks)
7. Distinguish between African and American trypanosomiasis. (3 marks)
8. Give three examples of intestinal nematodes. (3 marks)
9. Name three worms using their scientific names which cause lymphatic filariasis. (3 marks)
10. Outline at least three methods by means of which intestinal protozoal infections can be reduced in the community. (3 marks)

SECTION B: ANSWER QUESTION ONE (1) AND ANY OTHER QUESTION (40 Marks)

11. a). Describe the various effects of parasites on the host. (10 marks)
b). Outline the prevention measures of parasitic diseases that may be employed (10 marks)
12. Describe direct and indirect life cycles of veterinary parasites with examples (20 marks)
13. Discuss external Arthropod parasites that attack domestic animals and strategies to control them (20 marks)
14. Give an account of ways in which medical vectors of zoonoses can be managed to prevent, control, and treat the diseases they may transmit to humans. Use specific examples. (20 marks)