



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
SECOND YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCE TOURISM &
HOSPITALITY
BACHELOR OF SCIENCE IN ANIMAL HEALTH AND
PRODUCTION**

**COURSE CODE: AHP 2104-1
COURSE TITLE: PARASITOLOGY**

DATE: 4/12/2023

TIME: 0830-1030 HRS

INSTRUCTIONS TO CANDIDATES

Answer ALL questions

This paper consists of 2 printed pages. Please turn over

PARASITOLOGY (120 MARKS)

1. Giving specific examples define the following terms
 - a) Commensalism (5 marks)
 - b) Parasitism (5 marks)
 - c) Mutualism (5 marks)
 - d) Symbiosis (5 marks)
2. a. List ten insects of veterinary importance (genus and species) (10 marks)
b. Giving examples discuss the negative impact of ectoparasites on domestic animals (10 marks)
3. Discuss control of ectoparasites of veterinary significance (20 marks)
4. a. Describe the general life cycle of nematodes (10 marks)
b. Discuss control of helminths of domestic animals (10 marks)
5. a. Provide a list of five protozoan parasites, including their scientific genus and species names, and indicate the host species they infect. Ensure that at least one of the listed parasites is zoonotic (5 marks)
b. Provide a concise overview of coccidiosis in poultry, focusing on its causes, affected hosts, and the clinical and pathological observations in the infected animals. (15 marks)
6. a. Describe the general life cycle of;
 - i) One host tick (2 marks)
 - ii) Two host tick (2 marks)
 - iii) Three host tick (2 marks)
b. Mention one mite (genus and species) of significance in poultry and describe the clinical presentation of infestation by the mite (8 marks).
c. Give an example of a soft and hard tick (genus & species) and mention one pathogen transmitted by each (6 marks).

/END/



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
SECOND YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCE TOURISM &
HOSPITALITY
BACHELOR OF SCIENCE IN ANIMAL HEALTH AND
PRODUCTION**

**COURSE CODE: AHP 2104-1
COURSE TITLE: PARASITOLOGY**

DATE: 4/12/2023

TIME: 0830-1030 HRS

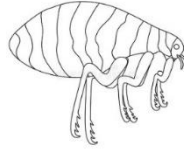
INSTRUCTIONS TO CANDIDATES

Answer ALL questions

This paper consists of 2 printed pages. Please turn over

PARASITOLOGY (10 MARKS)

1. Name the genus & species of the ectoparasite in Figure 1 below that parasitizes the following



ectoparasite in Figure 1 below animals.

a. Cat (1 mark)

Fig. 1

2. Mention the common name for the parasite in the vial labeled **B**. (1 mark)

3. For each of the below definitive host species mention a parasite (genus & species) that belongs to the family of helminths in the vial labeled "**E**":

a. Cattle (1 mark)

b. Dogs (1 marks)

4 a. Identify the clinical term for an infestation by the below (Fig. 2) microscopic arthropod. (1 mark)



Fig. 2

5a. Identify the helminth in the vial with the blue top labeled "**F**". (1 mark)

b. Mention its intermediate host and control. (2marks)

6. Identify (genus & species) parasite in the vial labeled **G** which is a ruminant gut commensal of bovids (1 mark).

7. The calcified cyst in the vial labeled **I** is of a metacestode that infects beef, mention the name of the parasite (genus & spp.) (1 mark).

/END/