



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**SECOND YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCES TOURISM &  
HOSPITALITY**

**BACHELOR OF SCIENCE IN ANIMAL HEALTH  
AND PRODUCTION**

**COURSE CODE: AHP 2104-1**

**COURSE TITLE: PARASITOLOGY**

**DATE: 7 TH APRIL,2022**

**TIME: 1100-1300HRS**

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**INSTRUCTIONS TO CANDIDATES**

Answer ALL questions

*This paper consists of 2 printed pages. Please turn over*

## **PARASITOLOGY (120 MARKS)**

1. List any 5 arachnids and 5 insects of veterinary significance stating their genus, species, and the host animal they parasitize. **(20 marks)**
2. Using specific examples discuss the below
  - a. Negative impact of ectoparasites. **(10 marks)**
  - b. Control of ectoparasites. **(20 marks)**
- 3a. List any 5 helminths of veterinary importance specifying their genus, species, and the host they parasitize. **(10 marks)**
- b. Excluding the helminths mentioned in (Qs.3a) above discuss the life cycle of any 2 zoonotic helminths. **(10 marks)**
4. Using specific examples discuss the negative impact of helminths in livestock/companion animals and their control. **(20 marks)**
- 5a. List any 4 protozoan parasites specifying their genus & species and the host species they parasitize. **(4 marks)**
- b. Discuss the life cycle of any four zoonotic protozoan parasites, indicate the specific genus & species of the parasites. **(16 marks).**
6. a. Describe how to detect mites using parasitological techniques. **(10 marks)**
- b. Describe the procedure for detecting nematode eggs using the simple floatation technique. **(10 marks)**

**END//**



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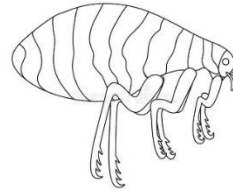
Answer ALL questions

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## PARASITOLOGY (10 MARKS)

1. Name the genus & species of the  
the Figure 1 below that parasitize  
the following animals.

- a. Dog (1 mark)
- b. Chicken (1 mark)



ectoparasite in

Fig 1

2. State how to control the parasite in Fig 1 above. (1 mark)

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

- a. Cattle (1 mark)
- b. Donkey (1 marks)

3a. Identify the clinical term for an infestation by the below (Fig. 2)  
microscopic arthropod. (1 mark)



Fig. 2

b. Describe the clinical signs observed in an infestation by the above  
parasite (Fig. 2). (1 marks)

4 a. Identify the helminth in the vial with the blue top labelled "F".

(1 mark)

b. Mention its intermediate host and control.

(2marks)

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