



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2022/2023 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: 6<sup>TH</sup> DECEMBER, 2022**

**TIME: 0830-1130**

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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. Discuss blow strike of sheep under the following subheadings
  - a. Definition of blow strike and aetiology (3 marks)
  - b. Life cycle (3 marks)
  - c. Impact (7 marks)
  - d. Control (7 marks)
3. Describe the life cycle of the below helminths
  - a. *Fasciola hepatica* (10 marks)
  - b. *Haemonchus contortus* (10 marks)
4. a. Discuss control of parasites mentioned in Question 3 above (10 marks)  
b. List any 5 zoonotic helminths (genus & species names), mention the animal host(s) for each. (10 marks)
5. Write short notes on the protozoan parasites listed here below (20 marks)
  - a. *Babesia bovis*
  - b. *Trypanasoma congolense*
  - c. *Theileria parva*
  - d. *Eimeria stiedae*
6. Discuss Toxoplasmosis under the below sub-headings
  - a. Aetiology (2 marks)
  - b. Morphology of sporulated oocysts (2 marks)
  - c. Life cycle (6 marks)
  - d. Clinical signs (in animals and in humans) and control (6 marks)
  - e. Control (4 marks)

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