



**(MMUST)**

*(University of Choice)*

**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER EXAMINATIONS MAIN EXAMINATION FOR THE  
DEGREE OF B.Sc. IN: ANIMAL PRODUCTION AND PROCESSING TECHNOLOGY**

**COURSE CODE: AAH 121**

**COURSE TITLE: ANIMAL PARASITOLOGY**

**DATE: 25<sup>TH</sup> APRIL, 2022**

**TIME: 8-10AM**

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**INSTRUCTIONS TO CANDIDATES**

**Answer ALL questions in section A and ANY TWO questions in section B**

**Total marks=70 marks**

**Time: 2 Hours**

*MMUST observes ZERO tolerance to exam cheating*

*This paper consists of 2 printed pages*

**SECTION A: ANSWER ALL QUESTIONS (30 MARKS)**

**Q1.** Define the various types of hosts in parasitology. **(5 MARKS)**

**Q2.** Name and describe five ways parasites use in their reproduction to increase the chances of reaching the host. **(5 marks)**

**Q3.** Define the term myiasis and highlight the main types/ forms. **(5 marks)**

**Q4.** Describe the categories of ticks based on the number of hosts during their lifecycles. Give examples. **(10 marks)**

**Q5.** Discuss both the tactical and preventive treatment of helminthes **(5 marks)**

**SECTION A: ANSWER ANY 2 QUESTIONS (40 MARKS)**

**Q6. (i)** Theileriosis (east coast fever) is an important tick borne disease of cattle in Kenya. Name the tick responsible for its transmission, its lifecycle and control. **(20 marks)**

**Q7. (i)** Nematodes have both a direct and indirect lifecycle. Discuss these lifecycles giving examples of respective nematodes. **(10 marks)**

**(ii)** Describe the lifecycle of *fasciola hepatica* (liver flukes) in domestic animals. **(10 marks)**

**Q8. (i)** Discuss the development of *Eimeria* species (coccidiosis) once ingested by the host **(10 marks)**

**(ii)** Discuss the different ways in which trypanosomes are transmitted **(10 marks)**