



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2022/2023 ACADEMIC YEAR**

**THIRD YEAR SEMESTER ONE**

**BACHELOR OF SCIENCE**

**BACHELOR OF EDUCATION (SCIENCE)**

**COURSE CODE: ZOO 3210**

**COURSE TITLE: ANIMAL PHYSIOLOGY**

**DATE: 24/4/2023**

**TIME: 0830-1030 HRS**

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## **INSTRUCTIONS TO CANDIDATE**

ANSWER ALL QUESTIONS IN SECTION A AND ANY TWO IN SECTION B.  
ILLUSTRATE YOUR ANSWERS WITH SUITABLE DIAGRAMS AND GIVE  
EXAMPLES WHEREVER NECESSARY.

**Section A (30 marks). Answer ALL questions.**

1. Give THREE primary tissue types. **(3mks)**
2. State THREE advantages of fluorescence microscopy. **(3mks)**
3. Distinguish between mucous membrane, connective and Striated tissues. **(3mks)**
4. Give THREE type's germ layer. **(3mks)**
5. List THREE parts of colon. **(3mks)**
6. Highlight the THREE importances of liver. **(3mks)**
7. Define the term "Selective reabsorption". **(3mks)**
8. Distinguish between excretion and secretion, cite an example. **(3mks)**
9. Differentiate between oestrogen, testosterone and androgen. **(3mks)**
10. Give THREE importances of scrotum. **(3mks)**

**SECTION B: 40 marks. Answer TWO questions.**

11. Discuss structure and function of the male reproductive system. **(20marks)**
12. Write an essay on excretion in human beings. **(20marks)**
13. Explain the embedding process in tissues preparation. **(20marks)**
14. Discuss on female reproductive system. **(20marks)**

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