



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2022/2023 ACADEMIC YEAR  
FIRST YEAR SECOND SEMESTER**

**SCHOOL OF NATURAL RESOURCES, TOURISM  
AND HOSPITALITY**

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

**COURSE CODE: AHP 1203-1**

**COURSE TITLE: GROSS ANATOMY AND  
EMBRYOLOGY II**

**DATE: 19/4/2023**

**TIME: 1100-1300 HRS**

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**INSTRUCTIONS TO CANDIDATES**

Answer ALL questions

*This paper consists of 3 printed pages. Please turn over*

## **QUESTION ONE**

- a) Describe the functions of the digestive system (30 Marks)
- b) Using a sketch diagram outline the digestive system in fish (70 Marks)

## **QUESTION TWO**

- a) Describe the functions of the lymphatic system (10 Marks)
- b) Describe the parts that constituent the lymphatic system (50 Marks)
- c) Give four (4) functions of the spleen (40 Marks)

## **QUESTION THREE**

- a) Describe the parts that constituent the cardiovascular system (60 Marks)
- b) Give any four (4) functions of cardiovascular system (40 Marks)

## **QUESTION FOUR**

- a) Using a sketch diagram, illustrate a cross section of the circulatory system in birds (50 Marks)
- b) Using a sketch diagram, illustrate a cross section of the respiratory system in ox (50 Marks)

## **QUESTION FIVE**

Describe chemical teratogenic agents that may cause teratological diseases in mammals (100 marks)

## **QUESTION SIX**

- a) Using a sketch diagram, illustrate a cross section of the urinary system in caprine (70 marks)
- b) Describe the anatomical location of ox kidneys (30 marks)

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