



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2019/2020 ACADEMIC YEAR
FIRST YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCES AND
ANIMAL SCIENCES**

**BACHELOR OF ANIMAL HEALTH AND
PRODUCTION**

COURSE CODE: AHP 1103

COURSE TITLE: ANIMAL PHYSIOLOGY I

DATE: 11-12-2019

TIME: 2HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section A and any other **THREE** in section B.

This paper consists of 2 printed pages. Please turn over

SECTION A

1. Define the following terms:

a) Physiology (1 mark)

b) Homeostasis (1 mark)

c) Transmembrane protein (1 mark)

d) Neuron (1 mark)

e) Synapse (1 mark)

2. Describe briefly facilitated diffusion cellular transport mechanism.

(5 marks)

3. With the aid of a labelled pictorial diagram, name **FIVE** components of the Neuron.

(5 marks)

4. Give the applications of the negative and positive feedback systems.

(5 marks)

5. Distinguish **FIVE** respiratory volumes.

(5 marks)

SECTION B

6. Explain the functions of the muscular system.

(15 marks)

7. Discuss the process of hearing.

(15 marks)

8. Describe the functions of major parts of the eye.

(15 marks)

9. Explain the term lactic acidosis.

(15 marks)

