



MAASAI MARA UNIVERSITY

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

**SCHOOL OF NATURAL RESOURCES &
ANIMAL SCIENCES
BACHELOR OF SCIENCE IN ANIMAL HEALTH AND
PRODUCTION**

COURSE CODE: AHP 4103

**COURSE TITLE: ANIMAL WELFARE ETHICS AND
LAW**

DATE: 3RD DECEMBER, 2019

TIME: 0830 - 1130HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions are compulsory.

This paper consists of 2 printed pages. Please turn over

All questions are compulsory.

1. (a) With relevant examples, describe the 3Rs. **(12 marks)**
(b) State the difference between animal welfare and animal rights. **(4 marks)**
(c) List the four (4) stages of stress as described in Selye's concept. **(4 marks)**
2. (a) Describe three (3) indicators of animal welfare. **(6 marks)**
(b) State four (4) uses of an animal welfare assessment. **(4 marks)**
(c) State the difference between a law and an ethic. **(4 marks)**
(d) Describe any three (3) branches of ethics. **(6 marks)**
3. (a) Explain why pain management is an important component of animal welfare. **(4 marks)**
(b) Describe in detail the physiology of pain. **(6 marks)**
(c) State five (5) identifying behaviors of abdominal pain. **(5 marks)**
(d) With the aid of a diagram, explain why the use of non-steroidal anti-inflammatory drugs (NSAIDs) is discouraged in comparison to steroids. **(5 marks)**
4. Discuss in detail the guiding principles for the ethical conduct of veterinary para-professionals. **(20 marks).**
5. (a) As per the Prevention of Cruelty to Animals Act Chapter 360, state eight (8) acts and omissions that amount to the cruelty of animals? **(8 marks)**
(b) Narok county has a high population of donkeys, some of whose welfare is not assured. Discuss the animal welfare problems associated with the working donkey and mitigation measures that could be implemented to improve animal welfare. **(12 marks)**

-----THE END -----