

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

AGA111/AGA410

Department of Animal Science

BSc Animal Health and Production Extension Part I Examination

Animal Welfare and Ethology (1)

3HOURS (100 Marks)

 **MAR 2023**

INSTRUCTIONS: Answer any **FOUR** questions. Each question carries **25 marks**

- 1 a) Define animal welfare. [3 marks]
b) Write short notes on adaptation. [10 marks]
c) Explain the three (3) dimensions of animal welfare. [6 marks]
d) List the signs that show that an animal is in a good state of welfare. [6 marks]
- 2 a) Giving examples, explain five (5) degrees of freedom. [15 marks]
b) Identify ten (10) indicators of poor animal welfare. [10 marks]
- 3 List the twelve (12) criteria of assessment of animal welfare with practical examples. [25 marks]
- 4 Explain fully the requirements of housing of farm animals. [25 marks]
- 5 Highlight five (5) common welfare issues that are frequently encountered in the production of the listed livestock species in Zimbabwe.
a) Beef cattle. [5 marks]
b) Dairy cattle. [5 marks]
c) Donkeys. [5 marks]
d) Broiler production. [5 marks]
e) Extensive Pig production. [5 marks]
- 6 Describe the principles and practices of humane slaughter. [25 marks]

END OF PAPER