

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 (3)

3HOURS (100 Marks)

NOV 2023

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

- 1 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) Sheep and goats.	[5 marks]
c) Pig production.	[5 marks]
d) Donkeys.	[5 marks]
e) Broilers	[5 marks]

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a) Explain the three different states of welfare.	[6 marks]
b) Define animal sentience.	[2 marks]
c) Write short notes on the implications of the following statement. 'Animals are sentient beings'.	[10 marks]
d) Write notes on animal welfare in Zimbabwe and the institutions involved in animal welfare.	[7 marks]

- 3 Describe the conditions for humane husbandry of either cattle, sheep, goats, pigs, or poultry (choose one), in the different systems that are practiced in Zimbabwe. [25 marks]

- 4 Describe the principles and practices of humane slaughter. [25 marks]

- 5 Shelter or housing facilities play a large role in animal welfare. Write short notes on things to be considered in constructing animal shelter. [25 marks]

- 6) Describe basic scientific methods used to assess animal welfare. [25 marks]

END OF PAPER