

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

AG 120

Department of Animal Science
BSc (Honours) Animal Science and Technology
Part I Examination
Anatomy and Physiology of Farm Animals

3 HOURS (100 Marks)

OCT 2023

INSTRUCTIONS

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

1. a) Describe the bones that make the axial skeleton of a goat. [15 marks]
b) Describe the joints and associated movements in the forelimb of a pig. [10 marks]
2. Describe in brief the functions of the following:
 - (a) The animal Kidney [5 marks]
 - (b) The Lungs [5 marks]
 - (c) The Testis [8 marks]
 - (d) The Liver [7 marks]
3.
 - (a) Discuss waste removal by the kidney in farm animals. [7 marks]
 - (b) Describe the structure of arteries in the mammal [5 marks]
 - (c) Outline the main characteristics of cardiac muscles [8 marks]
 - (d) Describe structure and function of the trachea [5 marks]
- 4 Describe the gross structure and function of the digestive system of a ruminant [25marks]
5. Describe the respiratory system of a goat. [25 marks]
6. Describe the oestrus cycle in cows. [25 marks]

End of Exam Paper