

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)
INSTRUCTIONS

NOV 2024

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

1. a) Describe the types of cells found in animals. [7 marks]
b) Describe with an example the structure of a typical long bone. [8 marks]
c) Describe bones that make up the vertebral column. [10 marks]
2. Describe in brief the following:
a) Animal Organs [5 marks]
b) Exocrine cells [4 marks]
c) The animal pancreas [8 marks]
d) Arrangement of teeth in grazing animals [8 marks]
3. (a) Discuss cardiac muscles. [5 marks]
(b) Describe the structure and function of the ovary. [10 marks]
(c) Describe the structure and function of the bovine lung. [10 marks]
4. Discuss the gross structure and function of the circulatory system of sheep. [25marks]
5. Write notes on the structure and function of the following organs in livestock:
a) Tongue [5 marks]
b) Kidney [5 marks]
c) Liver [5 marks]
d) Testis [5 marks]
e) Uterus [5 marks]
6. Compare and contrast the Nervous System and the Endocrine System of communication within the animal body. [25 marks]

End of Exam Paper