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

Answer any FOUR questions. Each question carries 25 marks.

- 1. a) Draw and label a synovial joint.

 b) Discuss the organelles found in a typical animal cell.

 [5 marks]

 [8 marks]
 - c) Discuss the functions of the skeletal system in a named farm animal. [12 marks]
- 2. Describe in brief the functions of the following:
- (a)The pancreas[5 marks](b)The ovary[5 marks](c)The tongue[8 marks](d)The trachea[7 marks]
- 3.
 (a) Discuss gaseous exchange in the lungs of a named farm animal.
 (b) Compare the structure of arteries and veins in the mammal.
 (c) Outline the main characteristics of cardiac muscles
 (d) Describe structure and function of the bronchi

 [5 marks]
 [5 marks]
- 4 Describe the gross structure and function of the digestive system of a pig
 [25marks]
- 5. Describe the respiratory system of a goat. [25 marks]
- 6. Describe the oestrus cycle in cows, highlight how the cycle is exploited to improve reproduction in livestock. [25 marks]

End of Exam Paper