

**BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE
BACHELOR OF SCIENCE AGRICULTURE (HONOURS) DEGREE**

AG 207

DEPARTMENT OF ANIMAL SCIENCE

**BSc Agric (Hons) Part II
Principles of Animal Production**

3 HOURS (100 Marks)

INSTRUCTIONS

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

 **NOV 2023**

1. Discuss the main features of one breed in the following groups of animals:
 - a. One goat Breed [7 marks]
 - b. One dairy Breed [6 marks]
 - c. One pig breed [6 marks]
 - d. One chicken breed [6 marks]

2.
 - a) Outline the nutritional needs of a growing pig. [8 marks]
 - b) Discuss feed supply for goats in communal areas. [8 marks]
 - c) Explain approaches used to improve feed supply in cattle in a village setting. [9 marks]

- 3) Discuss factors that threaten livestock production in Sub-Saharan Africa. [25 marks]

- 4) Discuss the herd composition generally associated with a 20 sow unit where Artificial Insemination is practiced [25 marks]

- 5) Discuss the following terms:
 - a) Stock Cards [6 marks]
 - b) Paddocks [6 marks]
 - c) Mineral supplements [6 marks]
 - d) Pest Control in cattle [7 marks]

- 6) You have been requested to make a proposal presentation on small scale goat production to a donor for possible funding. Discuss the main benefits of goat production and the challenges faced by the goat value chain. [25 marks]

End of Exam Paper