

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

MFS 513

Department of Agricultural Economics, Education and Extension
MSc in Food Security and Sustainable Agriculture Part I Examination
Sustainable Livestock Production

3 HOURS (100 Marks)

JUN 2024

INSTRUCTIONS TO CANDIDATE

Answer question **ONE** from **SECTION A** and any **TWO** questions from **SECTION B**.

SECTION A (COMPULSORY)

1. a) Discuss management of a dairy cow within one lactation cycle. **[25 marks]**
b) Discuss commercial broiler production and suggest ways of reducing emissions and stress in the birds. **[25 marks]**

SECTION B

2. Discuss rangeland management for livestock in Zimbabwe and identify ways of mitigating against climate change. **[25 marks]**
3. Discuss the relationships between livestock production and Climate Change and show how Livestock production can be modified to reduce the effects on Climate. **[25 marks]**
4. Discuss the various sources of feed that are in use and highlight the pros and cons of each feed source. **[25 marks]**

END OF PAPER