

**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)**

33 0 2022

**INSTRUCTIONS TO CANDIDATE**

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

**SECTION A (COMPULSORY)**

1. a) Discuss the factors considered when starting a dairy enterprise [25 marks]
- b) Discuss the mating practices that can be used in sheep production [25 marks]

**SECTION B**

2. Discuss the potential role of indigenous livestock in enhancing food security [25 marks]
3. Small stock contributes immensely to household food and nutrition security in African communities. Discuss. [25 marks]
4. Discuss the impacts of climate change mitigation strategies on animal welfare [25 marks]

**END OF PAPER**