

# **BINDURA UNIVERSITY OF SCIENCE EDUCATION**

## **FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE**

**AGC 224**

**Department of Crop Science  
Bachelor in Science Education Part II Examination  
Perennial Crop Production**

**3 HOURS (100 Marks)**

 **MAR 2023**

### **INSTRUCTIONS**

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

1. Discuss any eight (8) climate adaptation strategies in coffee production. **[25 marks]**
2. Explain the following aspects of banana production and their importance;
  - a) desuckering, **[5 marks]**
  - b) bagging, **[5 marks]**
  - c) varietal selection, **[5 marks]**
  - d) tissue culture planting material, **[5 marks]**
  - e) pruning. **[5 marks]**
3. Assess the potential for the commercial production of cassava in Zimbabwe. **[25 marks]**
4.
  - a) Explain the factors that affect tillering in sugarcane production. **[15 marks]**
  - b) Discuss the poor adoption of jatropha farming by farmers in Zimbabwe. **[10 marks]**
5. Discuss cashew nut production clearly highlighting pests and disease control. **[25 marks]**
6.
  - a) Analyze the potential for the production of avocados in Zimbabwe. **[15 marks]**
  - b) Explain the constraints to citrus production in Zimbabwe. **[10 marks]**

**END OF PAPER**