

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

AGC408

DEPARTMENT OF CROP SCIENCE

**BACHELOR OF AGRICULTURAL SCIENCE (HONOURS) DEGREE PART IV
EXAMINATION**

NON-FOOD CROP PRODUCTION

3 HOURS [100 MARKS]

MAR 2023

INSTRUCTIONS

ANSWER ANY *FOUR* QUESTIONS. EACH QUESTION CARRIES 25 MARKS

1. a). Analyze the environmental impacts of tea production [15 marks]
b). outline the socio-economic impacts of tea production [10 marks]
2. Discuss soybean production under the following headings:
 - a) soil requirements [5 marks]
 - b) land preparation [6 marks]
 - c) rotations [6 marks]
 - d) seed inoculation [8 marks]
3. Assess the potential for the commercial production of sugarcane in Mashonaland Central Province [25 marks]
4. a) Describe the process of curing tobacco emphasizing on the required temperature at each stage [15 marks]
b) Explain the problems encountered during curing and their remedies [10 marks]
5. Outline the uses and potential uses of jatropha in Zimbabwe. [25 marks]
6. a) Discuss how cotton production can be boosted in Zimbabwe [10 marks]
b) Assess the effects of cotton planting dates and cotton varieties on pest incidence and severity. [15 marks]

END OF EXAM