



MANICALAND STATE UNIVERSITY OF APPLIED SCIENCES

FACULTY OF AGRIBUSINESS AND COMMERCE

Agricultural Economics and Development

CROP PRODUCTION

CODE: HACE126

SESSIONAL EXAMINATIONS

SEPTEMBER 2020

DURATION: 3 HOURS

EXAMINER: MRS. S. MUNJOMA

INSTRUCTIONS

- 1. Answer any Four (4) questions.*
 - 2. Start a new question on a fresh page*
 - 3. Total marks 100*
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1. Discuss any **two** methods of irrigation used in wheat production in Zimbabwe. [25]
2. Describe and explain how each of the **three** principles of Conservation Agriculture below promotes high yields:
 - a) Minimum soil disturbance [8]
 - b) Mulching [8]
 - c) Crop rotation or intercropping [9]
3. Write short notes on each of the following:
 - a) Domestication of cultivated plants
 - b) Scientific system of classifying plants
 - c) Plant Productivity
 - d) Small grain crops
 - e) Seed dormancy [25]
4.
 - a) Explain the effects of water logging in maize production. [12]
 - b) With reference to any **two** methods of drying maize seeds, explain why it is important to dry seeds after harvesting. [13]
5. Justify the major agricultural activities practised in the following Agro-ecological zones of Zimbabwe:
 - a) (i) Region 1 [8]
(ii) Region 5 [8]
 - b) Discuss any **one** of the following stages in the growing of tobacco:
 - (i) Seed bed preparation
 - (ii) Care of seedlings
 - (iii) Tobacco curing [9]
6. a) By means of diagrams illustrate the structure of

- (i) a bean seed [5]
(ii) a maize seed [5]
- b) Describe the characteristics of monocotyledonous and dicotyledonous crops. [8]
- c) Explain **three** factors required for a seed to germinate. [7]

END OF EXAMINATION