



**GWANDA STATE UNIVERSITY**  
**FACULTY OF NATURAL RESOURCES MANAGEMENT AND AGRICULTURE**  
**DEPARTMENT OF HORTICULTURE AND CROP PRODUCTION**  
**BACHELOR OF SCIENCE HONOURS DEGREE IN CROP SCIENCE**  
**LCS4211 FARMING SYSTEMS**  
**SECOND SEMESTER MAIN EXAMINATION**  
**APRIL 2025**

This examination marking scheme consists of 12 pages

**Time Allowed:** 3 hours

**Total Marks:** 100

**Special Requirements:** None

**Examiner's Name:**

**INSTRUCTIONS**

1. Answer **any five** questions

**MARK ALLOCATION**

<b>QUESTION</b>	<b>MARKS</b>
QUESTION	<b>20</b>
<b>TOTAL ATTAINABLE MARKS</b>	<b>100</b>

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- 1 a) Explain the rationale behind the reclassification of Zimbabwe's agro-ecological regions which was done by Mugandani *et al.*, in 2012 [8]
- b) Describe the results of the reclassification process, stating the new farming regions, including their characteristics (rainfall, temperature and cropping systems) [12]
2. Write a detailed account of the characteristics of small-scale farming systems in Zimbabwe [20]
3. a) Explain the meaning of the following terms, inputs, processes, outputs and feedback using a typical cattle ranching farming system in Matabeleland province [8]
- b) The Zimbabwe's fast-track land reform programme of the year 2000 was inevitable. Discuss [12]
- 4a) Define agro-ecological zones and natural farming region, giving examples [8]
- b) Discuss any six socio-economic determinants of types of farming systems [12]
5. Giving examples, discuss any four types of economic evaluations that can be applied in agriculture [20]
- 6 a) List and define any two farming systems classified under small scale farming [4]
- b) Outline the economic and environmental benefits derived from agroforestry [16]

**END OF EXAMINATION**