



**GWANDA STATE UNIVERSITY**  
**FACULTY OF ENGINEERING AND ENVIRONMENT**  
**DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL SCIENCE**

**AGRICULTURE AND THE ENVIRONMENT:LES2105**

**Final Examination Paper**

**April 2024**

This examination paper consists of 2 pages

**Time Allowed: 3 hours**

**INSTRUCTIONS**

1. Answer any **four** questions.
2. Each question carries 25 marks.
3. Credit will be given to answers that are clear, illustrated, concise, and grammatically well-constructed.

1. (a) Examine how any three (3) selected modern farming practices threaten the environment. [12]
- (b) For each of the three (3) selected modern farming practices, choose one problem and discuss how changes in the management of the land can reduce the named problem. [13]
2. (a) With reference to agricultural change in one country you have studied:
- (i) Explain why agricultural change was necessary. [6]
- (ii) Outline two of the changes that occurred. [4]
- EITHER** (b) ‘Intensifying agriculture creates fewer problems than extending cultivation.’ With reference to examples, analyse this statement? [15]
- OR** ‘Increasing intensification of farming has damaged the environment’. Discuss this statement with reference to examples. [15]
3. Discuss the view that modern agri-business is not a sustainable form of farming. [25]
4. ‘Unless we practise sustainable agriculture in our generation, future generations will have to pay the price of environmental degradation.’ With reference to one or more examples, to what extent do you agree with this statement? [25]
5. Examine the view that land reform has been overrated as a way of /strategy for improving total food production/food supply production in developing countries. [25]
6. ‘An irrelevant model in the context of modern agricultural land use patterns.’ How apt is this description of von Thunen’s theory? [25]

**END OF PAPER**