



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2015/2016**

**SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE  
DEGREE OF BACHELOR OF ARTS IN URBAN AND REGIONAL  
PLANNING WITH INFORMATION TECHNOLOGY**

**CITY CAMPUS**

**PUR 226: PLANNING FOR AGRICULTURE**

Date: 27<sup>th</sup> April, 2016

Time: 9.00 - 11.00am

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**INSTRUCTIONS:**

- **Answer Question ONE (Compulsory) and any other TWO Questions.**

1.

- a. The following table can be used to measure agricultural growth. Populate it appropriately. (12 Marks)

	Global indicator	Unit	Local Indicator	Unit
Economic opportunity	-	-	-	-
Food security	-	-	-	-
Environmental sustainability	-	-	-	-

- b. Agriculture is based on the cultivation of domesticated plants and the keeping of domesticated animals. Discuss the history of agriculture based on:
- Domestication. (5 Marks)
  - Sedentary existence. (5 Marks)
- c. Outline ways in which farmers can participate in local planning. (8 Marks)
2. Discuss the following key policy concerns which affect agriculture:
- Declining agricultural performance. (5 Marks)
  - Limited high potential agricultural land. (5 Marks)
  - Over reliance on rain fed agriculture. (5 Marks)
  - Limited diversification in agricultural production. (5 Marks)
3. Planning for agriculture establishes a framework for an economically and environmentally sustainable agricultural industry. Discuss. (10 Marks)
4. Discuss the Von Thunen Model of agricultural land use. (20 Marks).
5. Discuss the following elements which can enhance an agricultural transformation:
- Leadership and stakeholder alignment (10 Marks)
  - A clear strategy and priorities (5 Marks)
  - Concrete investment and entrepreneurship pipeline (5 Marks)
6. Discuss land tenure reform and land quality improvement based on research and extension services. (20 Marks)