



UNIVERSITY OF EMBU

2018/2019 ACADEMIC YEAR

SECOND SEMESTER EXAMINATIONS

MASTERS OF SCIENCE IN AGRICULTURAL RESOURCE MANAGEMENT

ART 631: AGRICULTURAL DEVELOPMENT PLANNING

DATE: APRIL 9, 2019

TIME: 2:00-5:00PM

Answer Any Four Questions

QUESTION ONE (25 MARKS)

- a) **Describe** agricultural production challenges facing rural farmers in Kenya (5 marks)
- b) **Explain** how the challenges identified in (a) should be addressed (5 marks)
- c) Desertification has the potential to undermine farming and pastoral communities' livelihoods in many countries across Sub-Saharan Africa. Based on her international and national obligations, **outline** the strategies Kenya has developed to address desertification (15 marks)

QUESTION TWO (25 MARKS)

- a) Agricultural commodities are faced with market uncertainties. **Outline** some of the measures necessary to minimize or address such uncertainties (5 marks)
- b) **Explain** 5 factors that lead to price shocks in the agricultural market (5 marks)
- c) Kenya is one of the participants in the international trade in a number of agricultural products. **Discuss** the key measures the country needs to develop and sustain to enhance her competitiveness in the international market (15 marks)



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Knowledge Transforms



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QUESTION THREE (25 MARKS)

Agricultural water productivity is an elusive concept both at local and national levels. In the context of changing and varying climatic conditions, **discuss** the relevance of the following concepts and practices in sustainable agricultural water development;

- a) Agricultural water productivity (5 marks)
- b) Agricultural water scarcity (5 marks)
- c) Supplemental irrigation (5 marks)
- d) Community-based irrigation (5 marks)
- e) Social capital (5 marks)

QUESTION FOUR (25 MARKS)

Institutional strengthening is key in sustainable agricultural development. Aspects of institutional strengthening relevant in the agricultural sector include; markets, policy and legislation, plans and organizations. Embu County is in dire need of some reforms to improve agricultural productivity. You have therefore been appointed the County Agricultural Development Officer for Embu County with the key responsibility of developing a County Land Use Policy and Plan within a period of 1 (one year). On the basis of this responsibility, address the following;

- a) **Articulate** the theoretical foundations of institutional reforms/strengthening in agricultural development (5 marks)
- b) **Develop** the justification for Embu County to invest in developing the Land Use Policy and Plan (5 marks)
- c) **Outline** the steps you will take in developing acceptable Land Use Policy and Plan (5 marks)
- d) **Develop** a draft outline of the Plan and Policy (10 marks)

QUESTION FIVE (25 MARKS)

Kenya is a signatory to international and regional agreements/conventions/protocols aimed at promoting sustainable agriculture through the application of relevant innovations (indigenous and modern). In addition, the Country has domesticated a number of these provisions. Based on this narrative, address the following;



- a) The importance and relevance of the Country participating and being a party to international and regional obligations in agricultural development (5 marks)
- b) How to enhance the effectiveness of the Country's participation at the regional and international negotiations (5 marks)
- c) Using the relevant international and national policy frameworks, **discuss** the relevance of Indigenous Knowledge and Practices in promoting agricultural resilience in Kenya (15 marks)

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