



**JARAMOGI OGINGA ODINGA UNIVERSITY  
OF SCIENCE & TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2012/2013**

**2<sup>ND</sup> YEAR 1<sup>ST</sup> SEMESTER EXAMINATION FOR THE DEGREE  
OF BACHELOR OF ARTS IN SPATIAL PLANNING**

**(REGULAR)**

**COURSE CODE: PES 3217**

**COURSE TITLE: PLANNING AND AGRICULTURE**

**DATE: 19/8/2013**

**TIME: 9.00-11.00 AM**

**DURATION: 2 HOURS**

**INSTRUCTIONS**

- 1. This paper consists of 5 Questions.**
- 2. Answer Question 1 (Compulsory) and any other 2 questions.**
- 3. Write your answers on the answer booklet provided.**

### **Question 1**

a) Discuss the role of agriculture in realizing the following:

a) Kenya Vision 2030 [15 Marks]

b) United Nations Millennium Development Goals [15 Marks]

### **Question 2**

a) Discuss with examples how agriculture production can be factored in integrated rural development plans [10 Marks]

b) Explain the following concepts with the aid of examples

i) Sustainable agriculture [5 Marks]

ii) Agricultural extension [5 Marks]

### **Question 3**

a) With the help of local example(s), discuss the extent to which Von Thunen Model explain the structure of agricultural land use in Kenya? [10 Marks]

b) 'Vihiga County is located in a high potential area and is characterized by small and diminishing land holdings due to high population density of about 1000 persons per km<sup>2</sup>'. What agricultural enterprises can you recommend for farming households in the county?

[10 Marks]

### **Question 4**

a) What factors will you take into consideration while planning for an agricultural market in a medium size town? [10 Marks]

b) What factors will you take into consideration while planning for an agro-based industry? [10 Marks]

### **Question 5**

Discuss challenges and opportunities of Urban and Peri-Urban agriculture in the context of development planning. [20 Marks]