****

**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF SPATIAL PLANNING**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS IN SPATIAL PLANNING**

 **SEMESTER2 2016/2017 ACADEMIC YEAR**

**YEARN 2**

**CENTRE: MAIN CAMPUS**

**COURSE CODE: PSP 3217**

**COURSE TITLE: PLANNING AND AGRICULTURE**

**EXAM VENUE: LAB 8 STREAM: SPATIAL PLANNING**

 **EXAM SESSION: 2.00 – 4.00 PM**

**TIME: 2 HOURS**

**Instructions:**

1. **Answer question 1 ( compulsory ) and ANY other 2 questions.**
2. **Candidates are advised not to write on the question paper.**
3. **Candidates must hand in their answer booklets to the invigilator while in the examination room.**

Q 1) a) Explain how spatial planning can be leveraged to promote agricultural development in a county [15 Marks]

b) Explain your understanding of the following concepts as applied in the field of agriculture

* Food and nutritional insecurity [3 Marks]
* Strategic reserve [3 Marks]
* Agricultural extension [3 Marks]
* Intensive agriculture [3 Marks]
* Extensive agriculture [3 Marks]

Q2 a) ‘Food security has remained an elusive goal in post independent Kenya’. Explain with the aid of relevant examples [10 Marks]

b) Discuss the factors that are taken into consideration while deciding the location of agro-based industry [10 Marks]

Q3 a) Discuss the advantages and disadvantages of urban and peri-urban agriculture [10 Marks]

b) Explain your understanding of sustainable agriculture with the help of relevant examples

 [10 Marks]

Q4 a) Discuss how climate change impacts agriculture and livestock production with relevant examples from Eastern Africa [10 Marks]

b) Explain your understanding of Von Thunen Model in the context of agriculture and livestock production with the aid a sketch diagram [10 Marks]

Q5 a) Explain your understanding of agricultural marketing with relevant examples[10 Marks]

b) Discuss the multi-dimensional nature of agriculture and livestock development [10 Marks]