



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE
IN FOOD SECURITY
2ND YEAR 1ST SEMESTER 2021/2022 ACADEMIC YEAR
REGULAR**

COURSE CODE: ALS 3216

COURSE TITLE: SOILS AND CIVILIZATION

EXAM VENUE:

STREAM: (BSc. Food Security)

DATE:

EXAM SESSION:

TIME: 2HOURS

Instructions

- 1. Answer ALL questions in Section A (compulsory) and ANY TWO questions in Section B**
 - 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**
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SECTION A: 30 MARKS (ANSWER ALL QUESTIONS)

Question 1

- a) Describe what you understand by smart growth 2 marks
- b) Explain what you understand by agricultural revolution 2 marks
- c) Explain the concept of alienation and show how it has contributed to the fall of civilization in many communities 3marks
- d) Explain what you understand by the phrase “Soil is made of life and soil makes life” 3 marks
- e) Comment on the concept that “Agriculture developed out of an increased population” 3 marks
- f) Explain any two major differences between traditional and industrial agriculture 4 marks
- g) Explain the relationship between industrial agriculture and urban sprawl 4 marks
- h) Describe the term Industrial Agriculture highlighting any two advantages and disadvantages to farming communities 4 marks
- i) Explain the term civilization according to Gordon Childe (1936) in his book “Man makes Himself” highlighting his major weakness in the definition 5 marks

SECTION B: 40 MARKS (ANSWER ANY TWO QUESTIONS)

QUESTION 2

- (a) In his book *Unsettling of America* (1977), Wendell Berry identifies elites responsible for the fall of farming communities. Describe the elites and show the role each has contributed towards the fall off civilization of farming communities. 5 marks
- (b) Explain the relationship between civilization and bureaucratization of agriculture highlighting its influence on family farm 10 marks
- (c) Explain any five current/modern approaches that can be utilized to achieve food security 5 marks

QUESTION 3

As Berry (1977) described in his book “*Unsettling of America*”, Land concentration is considered responsible for the unplanned growth of urban centers bringing forth challenges unforeseen by designers. Discuss these challenges 20 marks

QUESTION 4

Discuss the urban process and changes associated with the green revolution. 20 marks