



"Investing in Africa's Future"

**COLLEGE OF SOCIAL SCIENCES, THEOLOGY,
HUMANITIES AND EDUCATION**

HES 225 AGRICULTURE AND THE ENVIRONMENT

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER/DECEMBER 2017

LECTURER: G. R. CHIMONYO

DURATION: 3 HRS

INSTRUCTIONS

1. Do NOT write your name on the answer sheet
 2. Use answer sheets provided
 3. Answer any **THREE (3)** questions
 4. Read and understand all questions and instructions before your answer
 5. Where necessary, illustrate your answers with sketches, figures and diagrams
 6. Each question is marked out of 20 marks
 7. Take note of mark distribution in each question
 8. Begin your answer for each question on a new page
 9. Credit is given to neat presentation of answers
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Question One

Give reason for and reasons against the environmental change hypothesis to explain the origins of agriculture.

Question Two

Citing specific examples, examine the environmental consequences of the adoption of agriculture as a means of subsistence and the rise of sedentary communities.

Question Three

'The advent of agriculture did not solve the problem of food shortages. Agriculture caused societies to be more vulnerable to food shortages and malnutrition.' Discuss this statement in relation to the causes and consequences of short-term food shortages in Europe.

Question Four

Examine the main causes of deforestation in the tropics and equatorial latitudes.

Question Five

Explain why it is difficult if not impossible to practice sustainable agriculture and achieving food self-sufficiency in sub-Saharan Africa.

Question Six

Examine the major causes of food shortages and famines in sub-Saharan Africa.

Question Seven

"Any attempts to realise assured continuous agricultural production from environments that are often constrained climatically must recognise the limitations of widespread monoculture and favour systems of diversified production." (Brown and Thomas, 1992:374). Comment in relation to the problem of food security in sub-Saharan African.