UNIVERSITY OF KABIANGA

UNIVERSITY EXAMINATIONS <u>THIRD</u> YEAR <u>FIRST SEMESTER</u> EXAMINATIONS 2016/2017 ACADEMIC YEAR

<u>AGR 141</u>: PRINCIPLES OF CROP PRODUCTION INSTRUCTIONS TO CANDIDATES

SECTION	A:	ANSWER	ALL	QUESTIONS (30 Marks)
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development in the years' from 1923-1960.	(5 Marks)	
(b) Explain the difficulties faced by European settlers in Kenya in relation to	agriculture	
Q5. (a) Define the term "crop ecology".		
Q4. Describe the "biological weed control methods.		
(b) The three basic methods of establishing crops in field situations.		
(a) The unfavorable human activities that affect crop production.	(3 Marks)	
Q3. Explain the following:		
Q2. Explain the advantages of zero-tillage system.		
Q1. Differentiate between "Tropical Alpine zones" and "Upper highland zones"		

SECTION B: CHOOSE ANY TWO QUESTIONS (40 Marks)

Q6. (a) Explain the mandate of Kenya Plant Health Inspectorate Service.

(b) Discuss the poly-cropping system of crop production.	(12 Marks)
Q7. (a) As an agricultural officer in Kenya, explain to mixed crop farmers in your country the	
following:	
(i) The importance of proper land preparation.	(2 Marks)
(ii) How market prices and marketing facilities affect crop production.	(3 Marks)
(b) Discuss the effect of light on the growth and development of plants.	(15 Marks)
Q8. (a) Explain the following:	

(i) The mandate of Agriculture, Fisheries and Food Authority. (AFF)

(8 Marks)

(4 Marks)

(ii) The effect of the atmosphere on the growth and development of crops.

(5 Marks)

(iii) Side effects of chemical pest control method.

(5 Marks)

(iv) Discuss "the good fertilizer application practice" in crop production. (6 Marks)