

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF SPATIAL PLANNING AND NATURAL RESOURCE MANAGEMENT UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF ARTS IN SPATIAL PLANNING

2^{ND} YEAR 1^{ST} SEMESTER 2013/2014 ACADEMIC YEAR

REGULAR

COURSE CODE: PSP 3217

COURSE TITLE: PLANNING AND AGRICULTURE

EXAM VENUE: LR 6 STREAM: Spatial Planning)

DATE: 16/04/14 EXAM SESSION: 9.00 – 11.00 AM

TIME: 2.00 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.

Question One

a)	Agriculture evolved through many distinct stages. Briefly describe agricultural developments during:	
	<u> </u>	[5 marks] [5 marks]
b)	Briefly explain how green revolution led to increased agricultural production around the world between 1940s and 1970s. [10 marks]	
c)		an [10 marks]
Question Two		
a)	Briefly describe global challenges facing agricultural sector currently.	[10 marks]
b)	What sustainability is as applied in modern agriculture?	[4 marks]
c)	List six common sustainable agricultural techniques.	[6 marks]
Question Three		
a)	Describe any five theories about origin of agriculture.	[10 marks]
b)	Using a sketch, explain land use zones in Von Thunen's Model of Agricultural Land Use. [7 marks]	
c)	In your opinion, why is Von Thunen's Model hardly applicable in modern times .	s? [3 marks]
Question Four		
a)	Briefly highlight crop cultivation systems practiced in Kenya.	[10 marks]
b)	Why is transportation important in agricultural production, marketing and distri-	bution? [10 marks]
Question Five		
a)	Outline environmental factors that informed the delineation of agricultural region Kenya	ons/zones in [10 marks]
b)	Farm layout is arguably a spatial plan of agricultural land use at farm-level. List	
	i. Stages in developing farm layout.ii. Factors to consider in developing farm layout.	[5 marks] [5 marks]