

2425/203

AGRICULTURAL ECONOMICS II,  
EXTENSION AND HOME ECONOMICS

June/July 2010

Time: 3 hours

THE KENYA NATIONAL EXAMINATIONS COUNCIL

**DIPLOMA IN AGRICULTURE  
MODULE II**

AGRICULTURAL ECONOMICS II,  
EXTENSION AND HOME ECONOMICS

**3 hours**

**INSTRUCTIONS TO CANDIDATES**

*You should have the following for this examination:*

*Answer booklet;  
Scientific calculator.*

*This paper consists of **THREE** sections A, B and C.*

*Answer **FIVE** questions in **ALL**, taking at least **TWO** questions from section A, at least **ONE** question from section B, and at least **ONE** question from section C.  
**ALL** questions carry equal marks.*

*Maximum marks for each part of a question are shown.*

**This paper consists of 3 printed pages.**

**Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.**

## SECTION A: AGRICULTURAL ECONOMICS II

Answer at least TWO questions from this section.

1. (a) Highlight **ten** ways of enhancing economic development of a country. (10 marks)  
 - *Creation of jobs* - *Technical skills*  
 - *Infrastructure*  
 - *Improving investment*  
 - *Zero tolerance to corruption*
- (b) Explain **five** reasons why a Central Bank may control the exchange rate. (10 marks)
2. (a) Describe the characteristics of a pure competitive market structure. (8 marks)
- (b) Describe the marketing mix in agricultural marketing. (8 marks)
- (c) State **four** characteristics of packaging materials. (4 marks)
3. (a) State the objectives of land registration under the Land Act. (10 marks)
- (b) Explain the benefits of economic intergration. (10 marks)
4. (a) Describe the functions of a marketing board. (10 marks)
- (b) (i) Define "balance of payment". (2 marks)
- (ii) Explain **four** ways of removing dis-equilibrium in the balance of payment. (8 marks)

## SECTION B: EXTENSION

Answer at least ONE question from this section.

5. (a) Explain the communication process in an agricultural extension. (10 marks)
- (b) Explain the significance of using demonstration method in extension. (10 marks)

6. The following data was obtained in a research conducted to investigate farmer's adoption rate of two banana varieties A and B.

BANANA VARIETY A			BANANA VARIETY B	
TIME	% NEW ADOPTERS	% ADOPTERS CUMULATIVE	% NEW ADOPTER	% ADOPTERS CUMULATIVE
1.	3	_____	3	_____
2.	3	_____	3	_____
3.	6	_____	5	_____
4.	9	_____	12	_____
5.	15	_____	18	_____
6.	30	_____	28	_____
7.	20	_____	24	_____
8.	9	_____	2	_____
9.	3	_____	1	_____
10	1	_____	0	_____

Use the data to answer the following questions.

- (a) Complete the table. (10 marks)
- (b) Plot the diffusion curve of the two banana varieties. (8 marks)
- (c) Which of the two varieties had the highest adoption rate. (2 marks)

### SECTION C: HOME ECONOMICS

Answer at least ONE question from this section.

7. (a) Describe typhoid and its control measures. (8 marks)  
*Proper drinking water, disease free food, bed net use*
- (b) Explain the nutritional requirement of HIV/AIDS patients. (6 marks)
- (c) State the dangers of inadequate waste disposal. (6 marks)
8. (a) Describe tuberculosis (T.B) under the following headings: (8 marks)
- (i) cause; *bad air*
- (ii) symptoms; *swollen neck, loss of appetite, cough, weight loss, fever*
- (iii) prevention and treatment. *BCG vaccine, rest, medication*
- (b) Discuss consumer rights and protection. (12 marks)