2425/203
AGRICULTURAL ECONOMICS II,
EXTENSION AND HOME ECONOMICS
Oct./Nov 2008
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 a total of FIVE questions, at least TWO from section A, at least ONE from section B and at least ONE from section C.*
*All questions carry equal marks.*
*Each question to be done on a fresh page.*

This paper consists of 4 printed pages.

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

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# SECTION A

*Answer at least **TWO** questions from this section.*

1. (a) Define the following terms:-

   (i) Economic development
   (ii) Economic growth
   (iii) Gross National Product (GNP)
   (iv) Gross Domestic Product (GDP)
   (v) Per capita income

   (5 marks)

   (b) Explain why Agriculture is said to be the back-bone to Kenya's economy.
   (8 marks)

   (c) Explain how an increase in population growth rate would affect the economic development of a country. (7 marks)

2. (a) Explain the significance of the international trade to economic growth. (8 marks)

   (b) State the objectives of the National Food Policy in Kenya. (6 marks)

   (c) Describe how Agricultural Act (cap 318) regulates the use of agricultural land in Kenya. (6 marks)

3. (a) Explain the problems that are associated with the marketing of agricultural produce. (10 marks)

   (b) Describe the role played by middlemen in agricultural marketing. (5 marks)

   (c) Describe the characteristics of a perfect competitive market. (5 marks)

4. (a) Explain the importance of market information in the marketing of agricultural products. (4 marks)

   (b) Describe the marketing functions of agricultural produce. (12 marks)

   (c) Explain the various government interventions in the agricultural marketing. (4 marks)

## SECTION B

*Answer at least ONE question from this section.*

5.  (a)  Explain the advantages of teaching an individual in extension.

    (5 marks)

    (b)  State five qualities of a good chart for extension teaching.

    (5 marks)

    (c)  Highlight five reasons that may lead to rejection of an innovation.

    (10 marks)

6.  (a)  Describe the characteristics of early adopters.

    (5 marks)

    (b)  An innovation X was introduced in an area and data on the spread of diffusion of New adopters percentages was recorded in a table at different time period.

    Study the table below and:-

    (i)  determine the percentage cummulative of the new adopters;

    (ii)  comment on innovation X.

    Innovation X

| Time Period in Months | % of New Adopters | Cummulative % of adopters |
|---|---|---|
| 1 | 3 | - |
| 2 | 3 | - |
| 3 | 6 | - |
| 4 | 8 | - |
| 5 | 16 | - |
| 6 | 19 | - |
| 7 | 9 | - |
| 8 | 3 | - |
| 9 | 1 | - |
| 10 | 1 | - |

    (8 marks)

    (c)  State the reasons that would make an extension agent to broadcast an extension message through the local radio station.

    (7 marks)

## SECTION C

*Answer at least ONE question from this section.*

7. (a) Explain how one would administer first aid care to a patient who has just burned his/her arm. (5 marks)

   (b) Explain five modern methods of food preservation. (10 marks)

   (c) Recently the media has been highlighting a lot on cases involving families infested with jiggers. As a home economic extension agent, advice these families on the remedies to be taken. (5 marks)

8. (a) Describe how to place a casualty in the recovery position. (4 marks)

   (b) Discuss the features of a good purchasing policy. (16 marks)