

MINISTRY OF EDUCATION AND HIGHER EDUCATION

FORM FOUR EXAMS, 2012

# AGRICULTURE



P/LAND NATIONAL EXAMINATION BOARD

**PUNTLAND STATE OF SOMALIA**  
**MINISTRY OF EDUCATION**  
**NATIONAL EXAMINATIONS BOARD**

<b>NAME OF THE STUDENT</b>	
<b>NAME OF THE SCHOOL</b>	
<b>ROLL NUMBER</b>	

**FORM FOUR AGRICULTURE EXAMINATION**

**May 2012**

**TIME 2:10 HOURS**

**INSTRUCTIONS TO CANDIDATES**

**Instructions to the candidate (please read carefully)**

This paper consist of 16 Pages, count now, if there is missing please inform to the invigilator

- Answer ALL question
- Write your working on the space provided below the question
- No allowed extra paper
- No allowed calculators
- If you write wrong answer please delete and write right the answer clearly
- This paper consist of two parts





**PART ONE:**

**MULTIPLE CHOICE QUESTIONS**

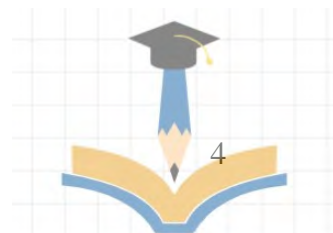
**10 MARKS**

**Circle the letter of the correct answer**

1. Which one of the following is not a climatic factor that influences agriculture?
  - a. Rainfall
  - b. Pests
  - c. Temperature
  - d. Wind.
  
2. A branch of agriculture which deals with the utilization of scarce resources is called:
  - a. Plantation farming
  - b. Agricultural engineering
  - c. Agricultural economics
  - d. Crop farming.
  
3. A type of nutrients that act as catalysts and co-enzymes in metabolic reactions of plants is known as:
  - a. Fertilizers
  - b. Organic fertilizers
  - c. Macro-nutrients
  - d. Micro-nutrients .



4. A kind of protozoa causes a diseases called trypanosomiasis that affects both domestic animals , this kind of disease is transmitted by:
- Fleas
  - Lice
  - Tsetse fly
  - Ticks.
5. Bee keeping also is known as :
- Aquaculture
  - Apiculture
  - Bee domesticating
  - Colony.
6. A farming system that requires large tracts of land, low capital investment and labor per unit area is known as :
- Extensive farming
  - Intensive farming
  - Plantation farming
  - Crop farming



7. The ability of soil to produce and sustain high crop yields is known as :
- a. Soil production
  - b. Soil fertility
  - c. Soil erosion
  - d. Soil availability.
8. The main reasons for preparing a seed bed are as follows, except:
- a. To kill weeds
  - b. To aerate the soil
  - c. To encourage weed growth
  - d. To encourage the penetration of roots in the soil.
9. The process of growing crops of different families on the same farm in an orderly sequence is termed to as :
- a. Mixed cropping
  - b. Mono cropping
  - c. Inter cropping
  - d. Mulching.
10. The below farm tool is used for cutting trees and it is known as:

- a. Hoe
- a. Axe
- b. Panga
- c. Spade.



**PART TWO**

**STRUCTURED QUESTIONS**

**90 MARKS**

Answer all of the following questions.

**QUESTION ONE**

**10 MARKS**

The term livestock refers to all those animals reared on the farm to directly benefit man.

a. Name three domesticated animals found in Puntland that we mostly use both their milk and meat. ( 3 marks ).

I. -----

II. -----

III. -----

b. Give any three importance of livestock production in our country ( 3 marks )

I. -----

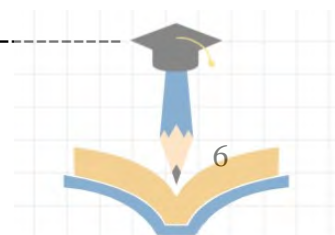
II. -----

III. -----

c. Name and describe the two types of parasites ( 4 marks )

IV. -----

V. -----



**QUESTION TWO**

**14 MARKS**

Plant nutrients occur in the soil in the form of very dilute solutions which are Films of moisture around soil particles.

a. Name the two broad categories of nutrients and two examples of each ( 6 marks )

I. -----  
-----

II. -----  
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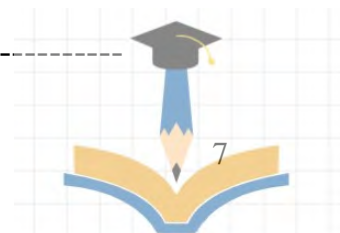
b. State two roles of nitrogen in plants. ( 4 marks ) .

I. -----  
-----

II. -----  
-----

c. Differentiate between a straight fertilizer and a compound fertilizer ( 4 marks ) .

I. -----  
-----  
-----  
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II. -----  
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**QUESTION THREE**

**10 MARKS**

The soil PH is a measure of acidity or alkalinity of the soil solution

a. What do the letters P and H stand for ?

I. P: -----

II. H: -----

b. Complete the following gaps ( 3 marks ) .

I. Alkalinity is a solution having a PH below

-----

II. Acidity is a solution having a PH of

-----

III. Neutral is a solution having a PH of

-----



c. State the two methods commonly used to determine soil PH ( 2 marks )

I. -----  
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II. -----  
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d. Why is it important for a farmer to know the PH of the soil ? ( 3 marks )

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**QUESTION FOUR**

**13 MARKS**

Bee keeping is an animal practice in many countries; it offers employment opportunities to many people especially those in the dry areas.

a. List any three importance of bee keeping practice ( 6 marks ).

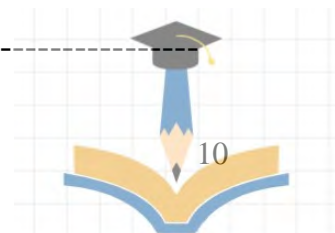
- I. -----  
-----
- II. -----  
-----
- III. -----  
-----

b. Using lines, match the following terms with their functions ( 3marks ).

<b>Terms</b>	<b>Function</b>
1. the worker bees	a. laying eggs
2. the Drones	b. makes honey and bee wax
3. the Queen	c. mate with the queen bee

c. Suggest two reasons why fishing is important to the human especially in Puntland ( 4 marks ).

- I. -----  
-----



II. -----  
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**QUESTION FIVE**

**15 MARKS**

A vegetable is any crop that is grown and eaten fresh or slightly cooked

a. Name any three common vegetable crops grown in Puntland ( 3 marks ).

I. -----  
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II. -----  
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III. -----  
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b. Explain what is meant by: ( 6 marks ).

I. Poultry farming : ( 2 marks )

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II. Crop rotation

( 2 marks ).

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III. Soil erosion

( 2 marks ).

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c. What are the three main factors that cause soil erosion?

( 6 marks ).

I. -----

II. -----

III. -----



**QUESTION SIX**

**10 MARKS**

The below diagram illustrates a tomato vegetable



a. Name the origin of this crop ( 1 mark ).

-----  
-----

b. State any two vitamins found in this crop  
( 4 marks ).

I. -----  
II. -----

c. Name one disease that affects tomato plants and state its control ( 2 marks ).

I. Disease:

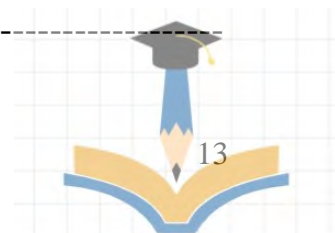
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II. Control:

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d. What problems do farmers encounter in marketing vegetables ( 3 marks ).

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e. Diagrams A, B, and C illustrate some farm stools ( 10 marks ).



a. Give the names and one function of each of the above tools ( 6 marks ).

a. Name: -----

-----

Function: -----

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b. Name: -----

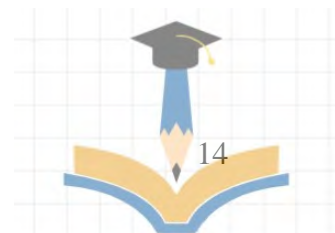
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Function: -----

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c. Name: -----

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Function: -----

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f. Identify the difference between farm tools and equipments. ( 4 marks ).

Farm tools

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Farm equipments

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**QUESTION SEVEN**

**8 MARKS**

There are many factors which influence the efficiency of agricultural Production

- a. State any four factors which influence the efficiency of agricultural Production ( 4 marks ).

- I. -----
- II. -----
- III. -----
- IV. -----

- b. List four characteristics of the fertile soil ( 4 marks ).

- I. -----
- II. -----
- III. -----
- IV. -----

END

