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BOTSWANA EXAMINATIONS COUNCIL
PRIMARY SCHOOL LEAVING EXAMINATION

AGRICULTURE

06/1

Paper 1

October 2010

Marks: 60

Time: 1 Hour 30 Minutes

Candidate's Examination Number:

Centre				Candidate		

INSTRUCTIONS

1. Write your examination number in the space provided above.
2. Answer **ALL** questions.
3. Read all questions carefully before attempting to answer them.
4. Write your answers in the spaces provided on the question paper.

FOR EXAMINER'S USE ONLY

Section A	
Section B	
Total Marks Scored	



191008

SECTION A

(20 Marks)

Answer all questions.

1. Mr Molemi observed that the soil in his field had been carried away. Give **two** ways by which the soil could have been carried away.

.....
..... (2)

Use the information below to answer question 2.

A farmer keeps his animals in a clean environment and makes sure that the feeds and water provided are clean. He also makes sure that the animals are grazed on different places and are dipped regularly.

2. Name **one** parasite which the farmer could be controlling by using the method.

..... (1)

3. With the aid of a diagram, name and describe the type of any plot that you prepared in your school.

Name

.....

Diagram

(1)

Description:

..... (1)

Use the information below to answer questions 14 (a) and (b).

A commercial pastoral farmer bought 100 bales of hay at P995 for her 10 animals. The bales lasted for 5 days.

14. (a) How many bales of hay were eaten by **one** animal per day?
..... (1)

(b) Which type of record is used to record the information on the 100 bales bought?
..... (1)

Use the information below to answer question 14 (c).

Mr Nono owns a 100 hectare farm, a tractor, a combined harvester and a borehole. He plants the whole farm and supplies local stores with the farm produce.

(c) (i) Which system of farming is practiced by Mr Nono?
..... (1)

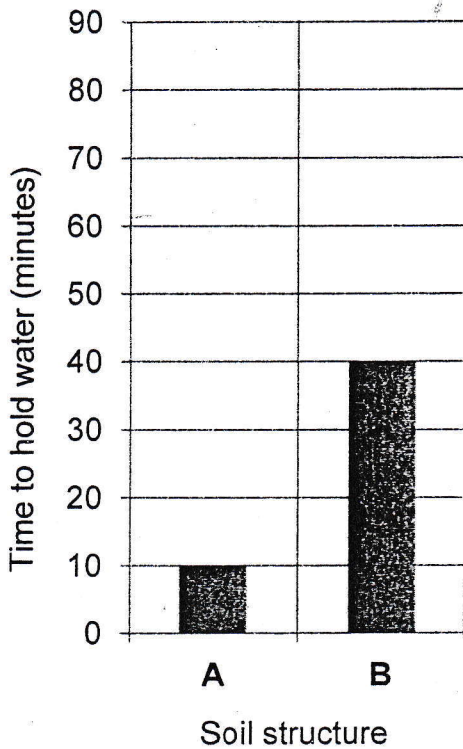
(ii) State **two** disadvantages of the system of farming practiced by Mr Nono.
.....
..... (2)

Use the information below to answer question 15.

A farmer who practices mixed farming is advised to stop ploughing along the slope.

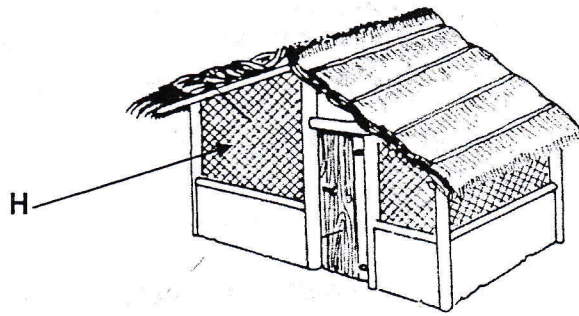
15. (a) What problem will the farmer face if he does not follow the advice?
..... (1)
- (b) What will be the correct way for the farmer to plough his field?
..... (1)

Below is part of a graph showing soil structures A and B and the time they take to hold water. Use it to answer questions 15 (c) and (d).



- (c) Name the soil structure represented by the letter A.
..... (1)
- (d) The soil structure represented by letter B holds water for a longer time. Give **two** other characteristics of soil structure B.
.....
..... (2)

The diagram below shows an animal house.
Use it to answer question 4.



4. (a) Name the feature labelled H.

..... (1)

(b) State **two** reasons why feature H is important.

.....
..... (2)

5. Which tool can be used to mix manure with soil in a vegetable garden?

..... (1)

6. Give **one** example of each of the following:

Indigenous fruit	Exotic fruit

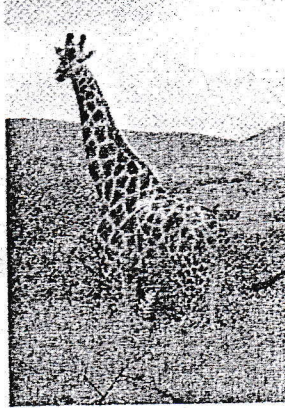
(2)

16. (a) State any **two** disadvantages of protecting wild animals.

.....
.....

(2)

Use the diagram below to answer questions 16 (b) and (c).



(b) Which type of animal is shown in the diagram above?

.....

(1)

(c) Give **two** ways in which the animal is important to Botswana.

.....
.....

(2)

17. (a) Name an external parasite that you have studied which affects animals.

.....

(1)

(b) Draw a well-labelled diagram of the life cycle of the internal parasite that affects animals. Use the space provided below.

(4)

Use the information below to answer question 7.

Mr Tawana's goat was observed as having the following symptoms; weight loss, loss of appetite and a drop in milk production.

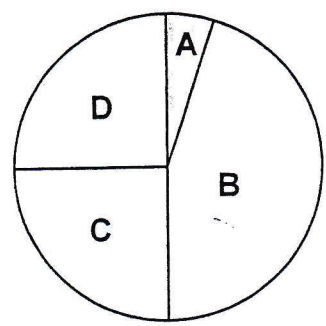
7. (a) What could be the problem with the goat?
..... (1)
- (b) State **two** ways in which Mr Tawana can help the goat to get better?
.....
..... (2)

8. Name any **one** vegetable crop that you have studied and state its soil requirement.

Vegetable	Soil requirement

(2)

The illustration below shows the proportion of soil constituents in a normal soil sample. Use it to answer question 9.



9. Name the soil constituents labelled A and B.
A
B (2)

Use the information below to answer question 18.

A student bought cabbage seeds for P100. He prepared cabbage plots at a cost of P400. He sold 360 heads of cabbage at P4 each.

18. (a) Complete the form for the student's financial record shown below.

Expenditure		Income	
Item	Cost	Item	Price
Total		Total	

(2)

- (b) (i) Calculate the profit or loss.
Show your calculations below.

(2)

- (ii) Did the student make a profit or a loss?
Give a reason for your answer.

Answer:.....

Reason: (1)

10. You have been asked to choose an area in your school yard where you could do vegetable production. State and explain **one** factor to consider when choosing the site.

Factor:

Explanation: (2)

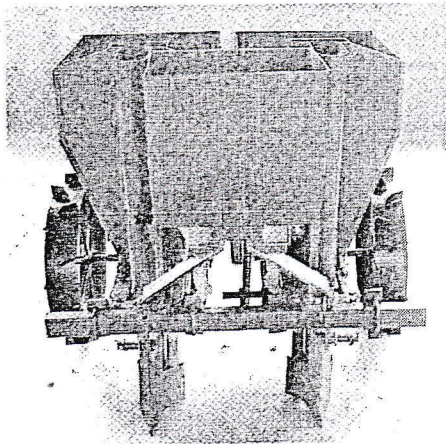
SECTION B

(40 Marks)

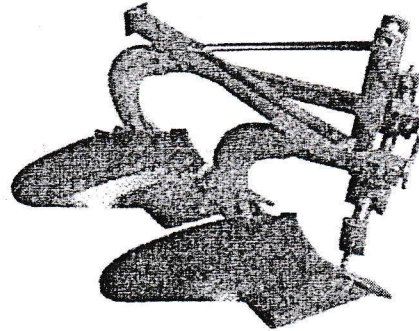
Answer **all** questions.

Use the diagrams of farm implements shown below to answer question 11.

W



X



11. (a) Name the implement labelled **W**.
..... (1)
- (b) State the uses of implements **W** and **X**.
W
X (2)
- (c) Why should the implements be kept in a storeroom?
..... (1)
- (d) A farmer painted the implements. How will the painting of the implements help in increasing their life span?
.....
..... (1)

12. (a) Name **one** general method of controlling pests in field crops.
..... (1)
- (b) Name any **two** field crops that are an important part of the diet for HIV and AIDS patients.
.....
..... (2)
- (c) State how each of the **two** field crops named in 12 (b) can help HIV and AIDS patients.
.....
..... (2)
-

13. (a) Name **two** breeds of beef cattle reared in Botswana.
.....
..... (2)
- (b) State **three** characteristics of any one breed named in 13 (a).
Breed.....
Characteristics
.....
..... (3)
-