MINISTRY OF EDUCATION AND HIGHER EDUCATION

FORM FOUR EXAMS, 2019

AGRICALTURE



P/LAND NATIONAL EXAMINATION BOARD

MINISTRY OF EDUCATION AND HIGHER EDUCATION PUNTLAND NATIONAL EXAMINATIONS BOARD

Code	Number	:

FORM FOUR EXAMINATION 2019
Time 2 hours AND 10 minutes for reading

AGRICULTURE

Instructions to candidates

- Answer all the questions
- This paper consists of 15 pages, count it and if any is missing inform your invigilator
- Do not write your name and roll number on the exam paper
- Make sure that student's profile is attached to the exam paper, if not, inform you invigilator.
- No extra paper is allowed. Rough work can be done on page 1 and 15. Those will not be marked.
- If you make a mistake, cross out the incorrect answer and write your correct answer.

This exam paper consists of following parts

Parts	Marks	
Part one: Multiple choice	10 marks	
Part two: Structured Questions	90 marks	
Total: 100 Marks		

For the markers only

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PART ONE: MULTIPLE CHOOSE QUESTIONS

10 MARKS

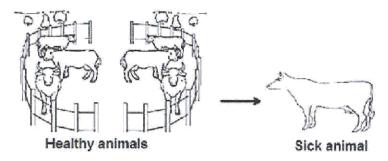
Circle the letter of the correct answer

- The practice of minimizing the number of soil distance during crop production is called:
 - A. Maximum tillage

C. Primary tillage

B. Secondary tillage

- D. Minimum tillage
- 2. The following diagram shows farm animals



Which method of disease control illustrates the above diagram?

A. Sanitation

C. Vaccination

B. Quarantining

- D. Proper feeding
- 3. If a crop is planted at spacing of 30 X10 cm in a plot of land measuring 12 cm, the plant population will be:
 - A. 3, 600 plants

C. 2, 890 plants

B. 3,000 plants

- D. 3, 500 plants
- 4. Harmful micro-organisms that can cause diseases all living things are known as:
 - A. Predator

C. Decomposer

B. Pathogen

- D. Pollinator
- 5. Chicken reared for meat production is known as:
 - A. Layers.

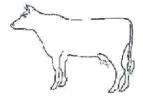
C. Capon.

B. Broilers.

D. Chick.



6. The diagrSam below shows two organisms





What are X and Y?

	X	Y
Α	Saprophyte	Host
В	Parasite	host
С	Host	Parasite
D	Parasite	Saprophyte

- 7. Which one of the following crops mostly cultivated by Puntland farmers?
 - A. Mango

C. tomato

B. Orange

D. Banana

- 8. Soil fertility can be lost through:
 - A. Weathering

C. Leaching

B. Absence of nitrogen

- D. Misuse of fertility
- The picture below illustrates a hen sitting on her eggs. Circle the letter showing the correct activity:



- A. Giving milk to the eggs
- B. Giving heat to the eggs

- C. Cracking the eggs
- D. All chooses are correct
- 10. An estimate of expected income and expenditure is termed to as:
 - A. Assets

C. Inputs

B. Expenditure

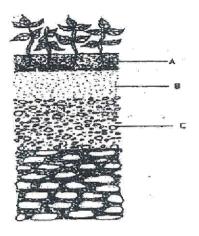
D. Budget

Question one 10	marks
Anearon one 10	IIIdika
A. Differentiate between irrigation and drainage in agriculture: i. irrigation	2 marks
	4
ii. Drainage	
B. Describe any two agricultural practices which will lead to water pollui. i.	ution 4 marks
îi.	g
C. What are the two reasons for treating water for human consumption i.	4 marks
	50 A CC
ii.	de effective a



Question two 10 marks

The diagram below illustrates a feature observed after digging the soil several meters. Study the diagram carefully and answer the questions that follow



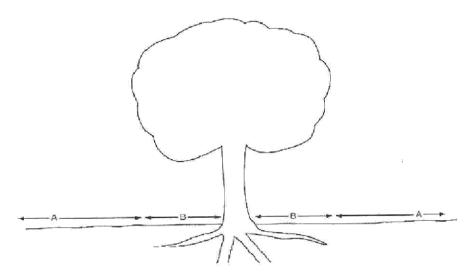
Α.	dentify the feature that the diagram above represents in the study of the soil 1 mark		
B.	Name the parts of the diagram labeled A, B and C A- B- C-	3 marks	
C.	Both high and low temperatures affect crop production in different ways. Just effects of high temperature on crop production in our country Punt land. 2 r i.	marks	
D.	Discuss the difference between small scale farming and large scale farming i. small scale farming: ii. large scale farming	4 marks	

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Question three	10 marks
A. Classiy the types of camel and state their origins i	4 marks
II.	A DAMPS NA CONTRACTOR OF THE PARTY NA CONTRACTOR
	1000
Discuss any two factors that make a camel more resistant to such as droughts and high temperatures. 4 marks	some environmental factors
i	
- Allish	Antibrasis
ii.	
100	
C. Define the term livestock and give any two examples of livestock i. Livestock	ock 2 marks
ii. Examples	100
11-14-14-14-14-14-14-14-14-14-14-14-14-1	

Question four 10 marks

The below figure shows a tree and the surrounding ground where seeds may land when they are dispersed from the tree.

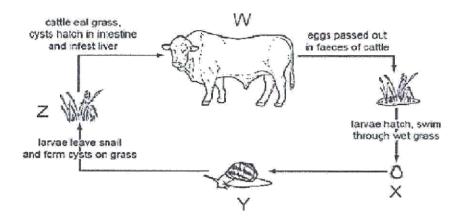


Α.	Suggest why seeds landing in area A are more likely to grow into young trees that landing in area B? 4 marks	in those
В.	Why the burning of bushes as method of land clearing should be discouraged	4 marks
C.	Explain how organic farming is important in relation to the environment	2 marks

Question five

10 marks

The diagram below shows the life cycle of a parasite that can infect cattle



- A. Which stage W, X, Y and Z represents the intermediate host of the parasite? 1 mark
 - 1. Z
 - 2 W
 - 3. X
 - 4. Y
- B. Justify your answer in question (a) above 2 marks

C. Suggest three control measures tapeworm parasite: 3 marks

III.____

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Form four Agriculture Examination, 201	9		

D. Find out four reasons w	hy it is advantageous for livestock to be healthy 4 marks
i.	
II.	
III.	
iv.	
Question six	10 marks

A. Match the definitions in column A with their terms in the box below: 6 marks

Ectoparasites, artificial incubation, micronutrients, Endoparasites, Natural incubation, macronutrients,

S/no	Column A	Column B
1	The elements needed by plants in small quantities	
2	Parasites that live inside or internal part of the host drives its food from the host	
3	Process that a broody Hen sits on 10 eggs for period of 21 days to hatch the eggs and produce new chicks	
4	Parasites that attach outside or external part of the host drives its food from the host	
5	Elements needed by plants in large quantities	
6	Process that man takes responsibility to provide all the conditions necessary for hatching eggs	

B. The diagram below illustrates the staking in banana plant. Study and answer the questions that follow 4 marks



	What is meant by staking?	1mark
	Investigate any three advantages of staking to the crop production.	3 marks
A		
×		
A		

forestry sites in the below table.

5 marks

Question seven

10 marks

The picture below illustrates a type of farm activities. Study it and answer the questions that follow

		in Jennin	
Α.	dentify th	e above activity	1 mark
B.		ate between over sowing and under sowing over sowing	2 marks
	ii.	under sowing	
C. Explain why trees may be prunned		arks	
	:		
	14		
	- No No.		
D.	Re- arrar	nge the given agro forestry terms in the box into agro forestry pract	tices and agro

S/no	Agro forestry practices	Agro forestry sites
1		
2		
3		

Boundaries, Multistory, River banks, Slopes, Woodlots

Question eight

10 marks

The diagram below illustrates a honey bee performing daily routine activities. Study and answer the questions that follow



 A. Identify 	/ the activity being carried out	1 mark
	y the honey bee colony members	3 marks
ĥ.		
		- 3 , 7 , 2 , 2
ji	the state of the s	
iii.		
C Describ	be one role of each member in the colony	3 marks
i.	be one fole of each member in the colony	3 marks
:*	7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	And the second s
II.		
iii.		
		· · · · · · · · · · · · · · · · · · ·
		(
). Justify	three reasons why fishing is important to Puntland fishers	3 marks
i.		
·		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
ii.		300
н.		
· ·		
iii.		
2.		

Question nine

10 marks

 The diagram below illustrates a tomato crop. Study it and answer the questions that follow



a-	potatoes for the last three years?	2 marks		
b-	Describe the harmful effects of crop pests on crop production	2 marks		

II. The diagram below illustrates a type of farm activities. Study it and answer the questions that follow.



7t. raorui	y the above activity	1 mark
B. Estima	ate any three importance of poultry keeping	3 marks
i-		
II-		
m-		
Explain ho	ow crop rotation is importance to farm and farming	2 marks

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