

Candidate Name

Centre Number

Candidate Number



MINISTRY OF PRIMARY AND SECONDARY EDUCATION



TAKING EDUCATION TO GREATER HEIGHTS

ZIMBABWE

BETTER SCHOOLS PROGRAMME IN ZIMBABWE
SANYATI DISTRICT

GRADE SEVEN MID-YEAR EXAMINATIONS 2017

003/02

AGRICULTURE PAPER 2

Time: 2 hours

INSTRUCTIONS TO CANDIDATES

Write your name, centre number and candidate number in the spaces at the top of this page.

SECTION A

Answer all questions.

Write your answers in the spaces provided in the question paper.

SECTION B

ANSWER ANY TWO QUESTIONS. WRITE YOUR ANSWERS ON THE SPACES PROVIDED ON THE QUESTION PAPER.

Table with 2 columns and 10 rows for examiner's use, including sections for Section A (questions 1-6) and Section B, and a TOTAL row.

This paper consists 9 printed pages

SECTION A (30 Marks)

There are six questions in this section. You are required to spend not more than 75 minutes in this section.

1(a) What does the term farming mean?.

_____ (1)

(b) Give any two types of farming systems practiced in Zimbabwe.

(i) _____

(ii) _____ (2)

(c) Give any one cash crop grown in Zimbabwe.

_____ (1)

(d) State one way in which agriculture is important.

_____ (1)

Total 5 marks

2(a) Give any two reasons why nutrients are important .

(i) _____

(ii) _____ (2)

(b) State three nutrients needed by plants in large amounts.

(i) _____

(ii) _____

(iii) _____ (3)

Total 5 marks

3(a) Give any three causes of water pollution

(i) _____

(ii) _____

(iii) _____ (3)

(b) Figure 1 shows a water cycle or hydrological cycle. Label the processes labelled A and B.

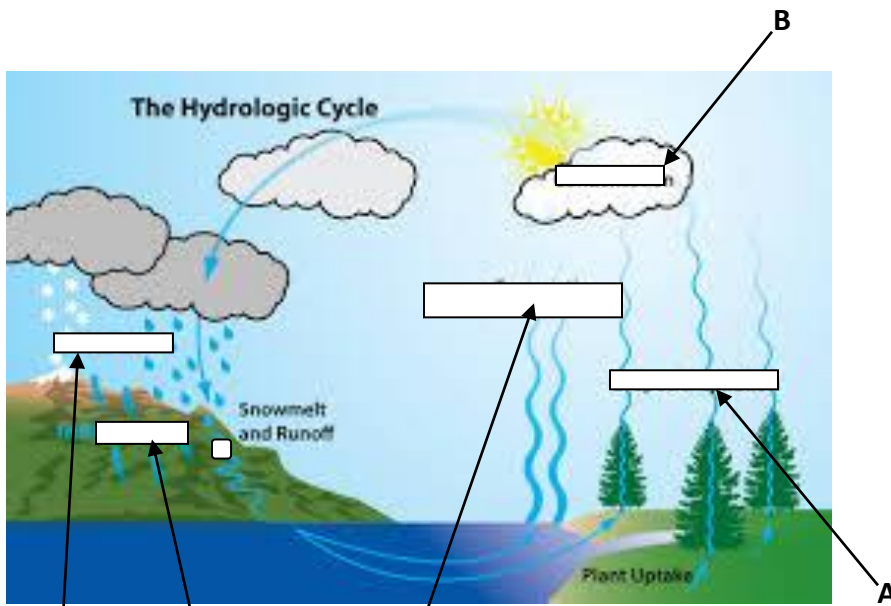


Figure 1

Precipitation

Seepage

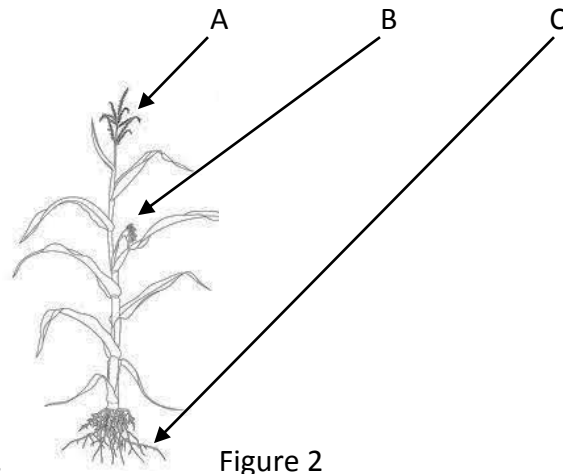
Evaporation

Label the following processes taking place.

(i) A _____

(i) B _____ (2)

Total 5 marks



4(a) Figure 2 is a diagram of a crop plant.

(i) Which crop is in the diagram?.

_____ (1)

(ii) Label the parts A and B.

A _____

B _____ (2)

(iii) Give one function of part labeled C.

C _____ (1)

(b) In Zimbabwe the crop plant in figure 2 is normally grown in which season?.

_____ (1)

Total 5 marks

5(a) List the two classes of animals.

(i) _____

(ii) _____ (2)

(b) Figure 3 is a diagram of an animal kept by Mr Munetsi.

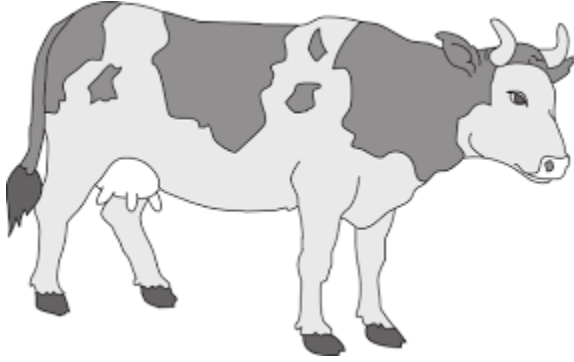


Figure 3

(i) What is the name of the animal?.

_____ (1)

(ii) Mr Munetsi's animal is failing to get pregnant. Which nutrient should be given to the animal?.

_____ (1)

(iii) Give one reason why this animal is important to Mr Munetsi.

_____ (1)

Total 5 marks

6(a) On a farm where does a farmer store equipment and machinery?.

_____ (1)

(b) Name any two tools used on a farm.

(i) _____

(ii) _____ (2)

(c) To keep track of his/her own tools on a farm a farmer should have a _____ (1)

(d) How can a farmer maintain a tool with movable parts such as a wheelbarrow?.

_____ (1)

Total 5 marks

SECTION B (20 Marks)

Answer any two questions. Write your answers in the spaces provided on the question paper.

You are advised to spend not more than 45 minutes on this section.

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7 Choose one leaf crop and describe how it is grown. Use the following headings.

(a) Name of the crop.

_____ (1)

(b) Land preparation.

(i) _____

(ii) _____ (2)

(c) Planting.

(i) _____

(ii) _____ (2)

(d) Weeding.

(i) _____

(ii) _____ (2)

(e) Harvesting.

(i) _____

(ii) _____ (2)

(f) Give one pest that attacks the leaf crop on 7A.

_____ (1)

Total 10 marks

8 Describe the production of poultry under the following headings.

(a) (i) Name of animal.

_____ (2)

(b) Care of animal.

(i) _____ (2)

(ii) _____ (2)

Total 6 marks

(c) List any products and by products from the poultry animal in 8(a)(i).

Products

(i) _____

(ii) _____ (2)

By-products

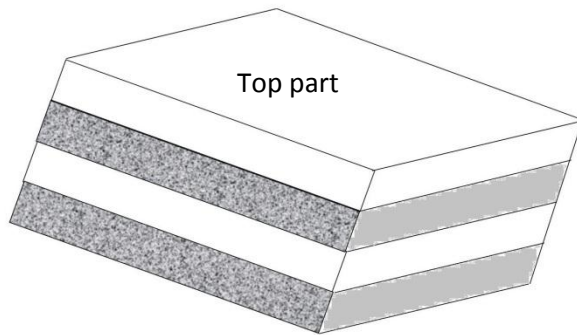
(i) _____

(ii) _____ (2)

Total 4 marks

Total 10 marks

9 The diagram below shows a composit heap.



(a)(i) Write any three materials used to make a composit heap.

(i) _____

(ii) _____

(iii) _____ (3)

(b) Give one reason why the top part should be kept wet.

_____ (1)

(c) State any two ways of increasing soil fertility.

(i) _____

(ii) _____ (2)

(d) Name any two materials that make up soil.

(i) _____

(ii) _____ (2)

(e) Give one sign of soil erosion

_____ (1)

(f) What is the importance of a compost to a farmer?.

_____ (1)

10(a) Give any three reasons why agriculture is considered to be a business.

(i) _____

(ii) _____

(iii) _____ (3)

(b) The table below shows a record kept by a farmer after trading goods.

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Date	Income	Value	Date	Expenditure	Value
01/03/17	30 trays eggs	\$ 120.00	01/03/17	Broiler Mesh	\$ 120.00
01/03/17	Maize cobs	\$ 50.00	01/03/17	4 bags layers mesh at \$33.00 per bag	\$ C
05/03/17	20kgs beans	\$ 40.00	05/03/17	Seeds cabbage	\$ 75.00
07/03/17	100 heads at 50c per head	\$ A			
10/03/17	20 kg tomatoes	\$ 20.00			
10/03/17	50 Broilers	\$ 300.00	10/03/17	Fertiliser	\$ 80.00
12/03/17	20 trays eggs	\$ 80.00	12/03/17	Pesticides	\$ 125.00
12/03/17	60 Cabbages at 50c per head	\$ B	12/03/17	Maize seed	\$ 50.00
Total Income		\$ D	Total Expenditure		\$ E

(i) Complete the record by filling A to E (5 marks)

A= _____

B= _____

C= _____

D= _____

E= _____

(ii) Calculate the profit or loss the farmer made in March

_____ (2 marks)

Total (10 marks)

MARK SCHEME FOR AGRICULTURE PAPER 2

1(a) Growing of plants and keeping of livestock.

(b) Subsistence, large scale/commercial intensive farming, small scale , co-operative farming.

c) tobacco, cotton, beans

(d) employment, food, clothes, conservation of resources, foreign currency earning etc

2(a) Plant growth, photosynthesis, for making fruits, root development, preventing diseases ect

(b) nitrogen, phosphorous potash

3(a) chemicals, fertilizers, bush toilet system, dumping waste

(b) (i) A transpiration

(ii) B condensation

4(a) (i) maize plant

(ii)A tassel

(B) maize cob

(iii) C hold the plant firm, absorb nutrients, store food, prevent erosion

C(i) summer/hot wet season/rainy season

5(a) (i) domestic or home animals

(ii)Wild animals

(b) (i) cow (cattle)

(ii) vitamin

(iii) Food(meat milk), manure, employment,transport draft power, payment of lobola, collateral security

6(a)(i) storeroom / shed

(b) (i) hoe, pick slasher, plough, mattock, sickle etc

(ii) as above

c) inventory/record book/equipment register/

(d) greasing/oiling/lubricating

SECTION B

7(a) cabbage, rape, covo, spinach, any leaf crop

(b) clear the land, covering holes, leveling, digging, applying manure, watering the bed

© 6 weeks old seedlings are ready for transplanting, transplant healthy seedlings only, cover the permanent bed with grass, leaves/mulch

Transplanting is recommended late afternoon.

(d) apply chemicals, cultivate using garden forks, hoes

(e) use knives, strings basket

Pluck off individual leaves and tie in bundles

Cabbages = cut off the head and put in crates to market.

(f) Locusts, cutworm, aphids, diamond beak moth, red spider mite.

8(a) chicken/broiler

(b) (i) making intensive housing system/or extensive housing system.

(ii) Houses well ventilated, good hygiene, enough light

(iv) give enough food, water, chemicals

c) (i) eggs (ii) meat (iii) manure

(i) meat, chicken burgers, egg rolls etc.

(9)(a) (i) dung (ii) grass (iii) maize stalk (iv) wheat straws (v) soil ect

(b) so that the organic matter can decay

c) (i) add manure (ii) add organic matter (iii) plough under crop residue (iv) add chemical fertilizer (v) add lime (vi) practice crop rotation

(d) (i) (ii) (iii) (iv) air, water, organic matter, inorganic matter, rock particles.

(e) (i) gullies (ii) potholes (iii) dongas (iv) exposed roots (v) plant pedestals (vi) stone pedestals (vii) muddy water flowing

(f) manure

10 (a) (i) budgeting (ii) employment (iii) foreign currency earning (iv) record keeping (v) tracking financial records.

(b) i.

Cabbages 100 heads @50c per head=	\$ 50.00
Cabbages 60 heads @50cents per head=	\$ 30.00
Total Income=	\$ 690.00

4 Bags layers mesh @\$33.00 per bag=	\$ 132.00
Total Expenditure =	\$ 432.00

c (ii)

Income		\$ 690.00
Expenditure	-	\$ 482.00
Profit		\$ 208.00
