Candidate Name	Centre Number	Candidate Number

ZIMBABWE SCHOOL EXAMINATIONS COUNCIL
GRADE SEVEN EXAMINATION, 2017.

AGRICULTURE
PAPER 2
OCTOBER 2017 SESSION

Time: 2 hours

INSTRUCTIOS 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 space provided on the question paper.

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

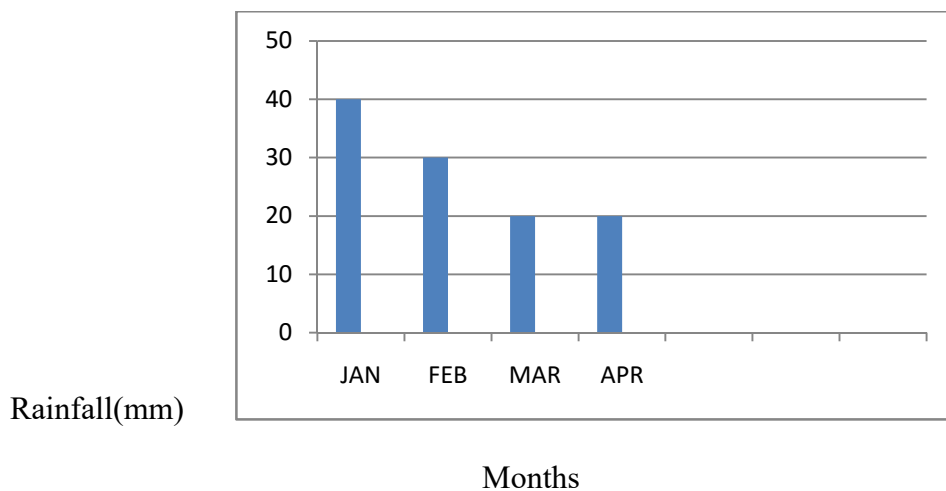| FOR EXAMINER'S USE	
Section A	
1	
2	
3	
4	
5	
6	
Section B	
1	
2	
TOTAL	

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Turn over

Section A (30marks)

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

1   (a)   List any **two** environmental factors that affect agriculture.

(i)   _____

(ii)   _____   [2]

(b)   Describe any **one** branch of agriculture.

_____

_____   [1]

(c)   Give **one** profession in agriculture.

_____   [1]

(d)   Which department deals with animal health in agriculture?

_____   [1]

2   (a)   Name **two** agents of biological weathering.

(i)   _____

(ii)   _____   [2]

(b)   What do the following terms mean:

(i)   soil structure,   _____

_____   [1]

(ii)   soil texture,   _____

_____   [1]

(c)   How do beans improve soil fertility?

_____

_____   [1]

3   (a)   The graph below shows a rainfall record.

Rainfall(mm)

Months

(i)   Calculate the total amount of rainfall.

_____

_____   [2]

(ii)   Which instrument is used measure rainfall?

_____   [1]

(b)   What measures should a farmer take to protect crops against frost?

_____

_____   [2]

4   (a)   What are agro-chemicals?

_____   [1]

(b)   Why should a farmer read instructions on agro-chemicals?

_____

_____   [2]

(c)   What do the following colour codes on agro-chemicals mean:

(i)   green, _____   [1]

(ii)   purple? _____   [1]

5 (a) What is a balanced diet?

_____ [1]

(b) State **one** function of each of the following nutrients:

(i) proteins, _____

_____ [1]

(ii) carbohydrates. _____

_____ [1]

(c) Give **one** disease caused by lake of:

(i) calcium, _____ [1]

(ii) iodine. _____ [1]

6 (a) State whether the price will be high or low in the following situations:

(i) many cabbages but few buyers,

_____ [1]

(ii) few tomatoes and many buyers.

_____ [1]

(b) Give **one** advantage of producing green mealies in winter.

_____

_____ [1]

(c) Give any **two** disadvantages of having too many workers on a farm.

_____

_____ [2]

Section B (20marks)

Answer any two questions. Write your answers in the spaces provided on the question paper
You are advised to spend not more tha 45 minutes on this section.

7   (a)   Complete the table below on the causes of plant damage.

Causes	Control
(i) Fire	
(ii) Drought	
(iii) Animals	

[3]

(b)   What are the effects of the following on crops:

        (i)   pests, _____

              _____

              _____ [2]

        (ii)   weeds? _____

              _____

              _____ [2]

(c)   Describe **three** ways in controlling weeds in crops.

_____

_____

_____

_____

_____

_____ [3]

8   (a)   Describe **five** ways of preventing parasites and diseases in farm animals.

(i)   _____

(ii)   _____

(iii) _____

(iv)   _____

(v)   _____   [5]

(b)   What is a deficiency disease?

_____   [1]

(c)   Describe **one** deficiency disease on farm animals under the following headings:

(i)   Name of disease.

_____   [1]

(ii)   Deficiency symptoms.

_____

_____   [2]

(iii) Measures of controlling the disease.

_____

_____   [2]

9   (a)   Describe the following:

indigenous trees,

_____   [1]

exotic trees.

_____   [1]

(b)   Describe the growing of forests under the following headings:

(i)   Care of the nursery.

_____

_____

_____

_____   [3]

(ii)   Transplanting.

_____

_____

_____   [2]

(iii)   Care of growing trees.

_____

_____

_____

_____   [3]

10   A farmer made the following business activities:

Bought 25 kg maize seed at $60,
Bought 4×50 kg fertiliser bags for $30 each,
Bought pesticides for $7,
Sold 1000 green mealies cobs at $1 for 4,
Sold 10× 50 kg bags of maize at $20 each.

(a)   Calculate total expenses.

_____

_____

_____

_____

_____   [3]

(b) Calculate total returns or income.

_____

_____

_____

_____

_____ [3]

(c) Calculate the profit or loss made by the farmer.

_____

_____

_____ [2]

(d) Give **two** advantages of selling produce at a local market.

_____

_____

_____ [2]