



THE KENYA NATIONAL EXAMINATIONS COUNCIL

SCHOOL BASED ASSESSMENT

2023 GRADE 4 AGRICULTURE WRITTEN TEST

SCORING GUIDE

FOR ASSESSORS USE ONLY

(Indicate the performance levels as per the descriptors in the scoring rubric)

Task	Task 1 (Conserving our environment)			Task 2 (Gardening practices)			Task 3 (Domestic animals)	TOTAL
Question	1	2	3	5	6	7	3	
Maximum score	16 marks			14 marks			5 marks	35
Learner's Score								

This paper consists of 4 pages.

Learners should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

TURN OVER

1. The picture below shows a fruit tree.

(a) Identify the fruit tree (1 mark)

- *Pawpaw*

(b) (i) Name one wild animal that can destroy the fruits even if the plant is fenced.

- *Birds/Monkeys*(1 mark)

(ii) The wild animal can be controlled by

- *Scaring*
 - *Trapping*
- (1 mark)

(c) What indicates that the fruit is ready for harvesting? (1 mark)

- *Turns orange/yellow*
- *Becomes soft*

(d) Give one importance of eating the above fruits. (1 mark)

- *Source of vitamins*
- *Protection*

2. Agriculture teacher brought ripe tree tomato fruits to class. In groups, learners were given the ripe tree tomato fruits to prepare seeds for planting.

(a) Name **two** places where the teacher obtained the fruits. (2 marks)

- *Market*
- *Farm*

(b) State **four** steps the learners followed when preparing the seeds for planting. (4 marks)

- *Cut the fruit into halves*
- *Squeeze to remove the seeds*
- *Clean the seeds*
- *Dry the seeds in the sun*
- *Sort the seeds*

3. Grade 4 learners sieved equal amount of sand, loam and clay dry soil samples. The amount collected after sieving each sample is as shown below.

(a) Which one of the labelled soil samples was collected after sieving

(i) clay soil? **G** (1 mark)

(ii) sandy soil? B (1 mark)

(b) Which one of the labelled soil samples is good for growing

(i) Maize?
F (1 mark)

(ii) Rice?
G (1 mark)

(c) Which one of the soil samples requires addition of compost manure to improve its water holding capacity?

E (1 mark)

4. The pictures below show domestic animals.

(a) Identify the use of domestic animal shown in the picture labelled:

H *Ploughing/cultivation* (1 mark)

J *Milk production* (1 mark)

(b) (i) Which one of the above animals is female? (1 mark)

• J

(ii) Give a reason why it is a female. (1 mark)

- *Produces milk*
- *Has an udder*

(c) Which one of the above animals can also be used for transport? (1 mark)

• H

5. The picture below shows a tool used on a garden.

(a) Identify the tool. (1 mark)

• *Folk jembe*

(b) Give **two** uses of the tool. (2 marks)

- *Digging out long rooted weeds*
- *Harvesting root crops*

- (c) Give **one** way of cleaning the tool after use. (1 mark)
- *Removing dirt from the handle and metallic part*
 - *washing*

6. Grade 4 learners visited a farm and observed the following crops.

- (a) Classify the crop labelled

Q (1 mark)

- *Root vegetable*

R (1 mark)

- *Leaf vegetable*

- (b) Which crop should be first planted in a nursery bed? (1 mark)

R

- (c) The crop labelled **Q** is harvested by *uprooting mature plants* (1 mark)

- (d) State one way in which water can be conserved in crop **R**. (1 mark)

- *Mulching*
- *Using drip irrigation*

7. The photographs below show two maize crops growing in gardens **E** and **F**.

- (a) Which **two** caring practices made the crop in garden **E** to grow better than the one in garden **F**? (2 marks)

- *Weeding*
- *Manure application*
- *Watering*

- (b) (i) Instead of using the garden in **F**, how else can the farmer grow the crop? (1 marks)

- *Using containers/sunken beds/Zai pits*

- (ii) Name **two** materials the farmer will require to grow the crop. (2 marks)

- *Buckets*
- *Sacks*
- *Worn out tyres*
- *Boxes*

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School based Assessment



2023 GRADE 4 AGRICULTURE WRITTEN TEST ASSESSMENT SHEET

NO.	ASSESSMENT NUMBER	LEARNER'S NAME	SCORE		
			TASK1 (16 marks)	TASK2 (14 marks)	TASK3 (5 marks)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Official stamp

	<i>NAME</i>	<i>TSC NO.</i>	<i>SIGN</i>	<i>DATE</i>
<i>AGRICULTURE TEACHER</i>				
<i>HEAD TEACHER</i>				