



THE KENYA NATIONAL EXAMINATIONS COUNCIL

SCHOOL BASED ASSESSMENT

2023 GRADE 4 AGRICULTURE WRITTEN TEST

LEARNER'S NAME: _____ GRADE: _____

ASSESSMENT NUMBER: _____ DATE: _____

SCHOOL NAME: _____

INSTRUCTIONS TO LEARNERS

1. This paper consists of 8 questions.
2. Answer *All* the questions in the spaces provided.

FOR ASSESSORS USE ONLY

Task	Task 1 (Conserving our environment)			Task 2 (Gardening practices)			Task 3 (Domestic animals)	TOTAL
Question	1	2	3	5	6	7	4	
Maximum score	16 marks			14 marks			5 marks	35
Learner's Score								

*This paper consists of 6 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)

(b) (i) Name one wild animal that can destroy the fruits even if the plant is fenced.
_____ (1 mark)

(ii) The wild animal can be controlled by _____ (1 mark)

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

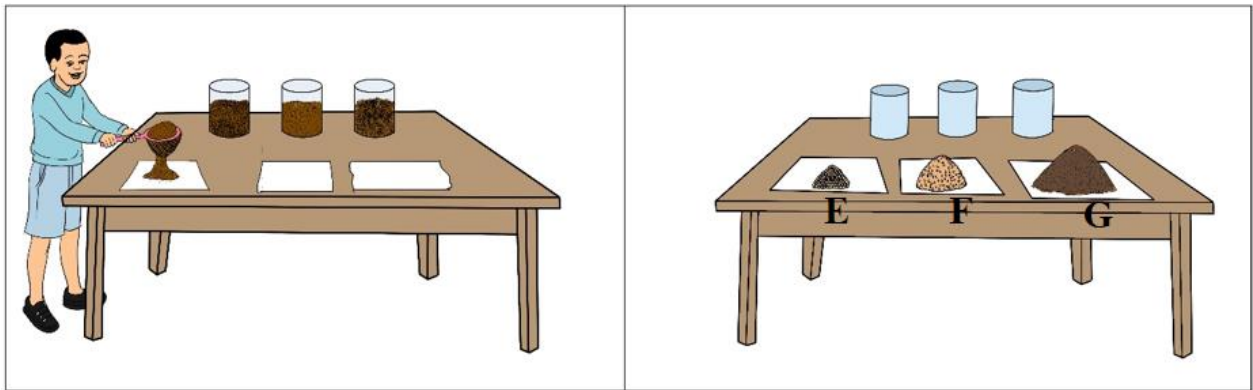
(d) Give one importance of eating the above fruits.
_____ (1 mark)

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)

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

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? _____ (1 mark)

(ii) sandy soil? _____ (1 mark)

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

(i) Maize? _____ (1 mark)

(ii) Rice? _____ (1 mark)

(c) Which one of the soil samples requires addition of compost manure to improve its water holding capacity? _____ (1 mark)

4. The pictures below show domestic animals.



H



J

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

H _____ (1 mark)

J _____ (1 mark)

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

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

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

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



(a) Identify the tool. (1 mark)

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

(c) Give **one** way of cleaning the tool after use. (1 mark)

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



Q



R

(a) Classify the crop labelled **Q** (1 mark)

R (1 mark)

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

(c) The crop labelled **Q** is harvested by _____ (1 mark)

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

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



E



F

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

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

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