



THE KENYA NATIONAL EXAMINATIONS COUNCIL

SCHOOL BASED ASSESSMENT

2023 GRADE 5 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 | 4 | 7 | 8 | 1 | 2 | 5 | 6 | 3 | |
| Maximum score | 12 marks | | | 18 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. A farmer grows a climbing fruit.
- a) Name the climbing fruit the farmer grows. (1 mark)
- *Passion, (for the blind: kiwi/berries/grapes)*
- b) Name **two** materials the farmer used to train the climbing fruit. (2 marks)
- *Wire/rope/string*
 - *Stick/stake/pole*
- c) Name the **best** planting material for the climbing fruit. (1 mark)
- *seed*
- d) State the importance of mulching the fruit. (1 mark)
- *Conserve moisture*
 - *Smother weeds/prevent weed germination.*

2. In innovative gardening

- (a) Identify the innovative garden in which a farmer grows vegetables in
- **F** *vertical garden* (1 mark)
 - **G** *horizontal garden.* (1 mark)
- (b) Which one of the gardens is likely to use a smaller space? (1 mark)
- **F**
- (c) Name one other material that can be used to construct the garden labelled **G**. (1 mark)
- *Wood/bucket/sack*

3. Grade 5 learners observed the following:

H: a boy playing with a dog

J: a farmer ploughing using donkeys

K: bees on sunflower plants

- (a) State one use of the domestic animal as observed in

H *pet* (1 mark)

J *cultivation/provision of labour* (1 mark)

K *pollination* (1 mark)

- (b) Give one other use of the domestic animal observed in

J *transport* (1 mark)

K *honey production* (1 mark)

4. Grade 5 learners visited the neighbouring community and observed a river affected by soil erosion and deposition of eroded soil.

- (a) What had the learners gone to study on the river? (1 mark)
- *Soil erosion/Soil deposition/Soil recovery*

(b) On which part of the river should the learners carry out soil recovery? (1 mark)

- *N (for the blind: at the deposition site)*

(c) How can the recovered soil be made more useful for farming? (1 mark)

- *Use it for growing crops.*

(d) Give **one** soil conservation practice that can be carried out on the part affected by soil erosion. (1 mark)

- *Mulching/cover cropping/terracing/*

5. Grade 5 learners mulched one row of tomato plants using dry grass and left the other plants not mulched.

(a) Give **two** reasons why the mulched plants grew better than the ones not mulched. (2 marks)

- *Mulching conserves moisture*
- *Mulching smothers weeds*

(b) Name **one** other material that be used for mulching instead of the dry grass. (1 mark)

- *Crop residues/polythene/straw*

(c) Apart from mulching, give **two** other practices that should be carried on the tomato plants not mulched. (2 marks)

- *Watering*
- *Weed control.*

6. Grade 5 learners observed the following on a market:

R: finger millet

S: sweet potatoes

T: spider weed

V: cassava

Name the category of crop observed by the learners in

| <i>Name</i> | <i>Category</i> | |
|--|------------------------|-----------------|
| ○ <i>R Millet/Finger millet</i> | <i>cereal crop</i> | <i>(1 mark)</i> |
| ○ <i>S Sweet potato</i> | <i>root crop</i> | <i>(1 mark)</i> |
| ○ <i>T Spider weed</i> | <i>vegetable crop</i> | <i>(1 mark)</i> |
| ○ <i>V Cassava</i> | <i>root crop</i> | <i>(1 mark)</i> |

7. Mavuno village elder called for a meeting to discuss ways of controlling monkeys that were destroying their maize crop. One member suggested that they should poison the monkeys, but the rest disagreed.

(a) Give **one** reason why the rest of the villagers refused to poison the monkeys. (1 mark)

- *Conserve monkeys/conserved wild animals*

(b) State **two** ways the villagers can control the monkeys without killing them. (2 marks)

- *Using scare crows*
- *Using sound devices*
- *Shed construction.*
- *Use of guard dogs*

(c) Name the part of maize plant damaged by the monkeys. (1 mark)

- *cobs*

8.

(a) (i) *Hardening off (1 mark)*

(for the blind: reduce watering; removing shade; root trimming 3 x 1 = 3 marks)

(ii) *reduce watering; removing shade; root trimming (2 x 1 = 2 marks)*

(b) what time of the day should fruit tree seedling be transplanted? (1 mark)

Early morning/late evening