

**SIGNAL CBE ASSESSMENT  
SEVENTH TRIAL**

**THE SCHOLAR  
007**

**SIGNAL JUNIOR SCHOOL ASSESSMENT**

**— GRADE 7 AGRICULTURE —**

**TIME: 1 hr 30 min**

**Learner's Name:**

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**Grade:**

.....

**School Name:**

.....

**Assessment No:**

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**Instructions for learners**

1. Write down your name, name of your school and assessment number in the spaces provided.
2. This paper consists of 28 questions.
3. Ensure you check the question paper to ascertain that all the pages are printed and that no questions are missing.
4. Answer all the questions in the answer booklet provided.
5. Be sure to sign the **honour pledge** below at the end of this.

**Honour pledge: "I swear on my honour that I have not violated the honour code before or during this assessment".**

**Signature or Initial:**

**Date:**

**ASSESSMENT RUBRIC**

Learning area	Performance	Exceeds Expectations (4)	Meet Expectations (3)	Approaching Expectations (2)	Below Expectations (1)
Agriculture					

**SECTION A: (20 MARKS)**

1. The picture below shows a method of irrigation on growing crops.



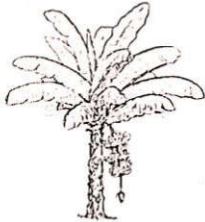
Identify the method of irrigation shown in the picture above.

- A. Pipe irrigation
  - B. Farm irrigation
  - C. Strip irrigation
  - D. Drip irrigation
2. Brian noticed that his neighbour burns plastic waste near the vegetable garden. This practice causes soil pollution mainly by
- A. increasing water infiltration
  - B. reducing crop spacing
  - C. Introducing harmful chemicals into the soil
  - D. affecting root development.

3. Mrs. Kendi asked her Grade 7 learners how they could control soil pollution at home. Which of the following responses is most appropriate?
  - A. Dumping all waste into the garden.
  - B. Using biodegradable waste as manure.
  - C. Spraying chemicals excessively.
  - D. Cutting down trees around the home.
4. Paul suggested building terraces on their farm to conserve soil. His teacher explained that terraces mainly help in
  - A. speeding up surface run-off
  - B. reducing soil erosion
  - C. increasing soil pollution
  - D. destroying soil organisms.
5. Surface run-off water can be utilised in gardening. Which of the following is the best way to use it?
  - A. Leaving it to wash away the soil.
  - B. Harvesting it for irrigation.
  - C. Allowing it to form gullies.
  - D. Directing it into the bush.

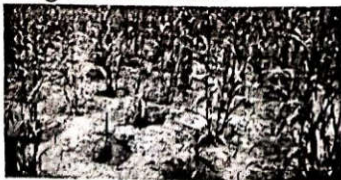


6. When constructing water retention structures, James was advised by his teacher to focus on one of the following. Which one?
  - A. Conserving surface run-off.
  - B. Wasting excess rainwater.
  - C. Destroying soil fertility.
  - D. Increasing soil pollution.
7. Grade 7 learners wants to plant the crop below in their school farm.



Which planting materials do they need?

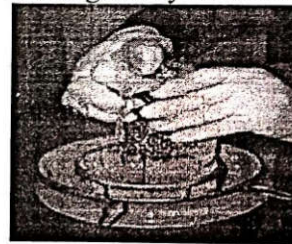
- A. Seeds
  - B. Suckers
  - C. Vegetative materials
  - D. Fruits from the crop
8. During a home gardening project, Nandwa reminded the class about conserving vitamins in vegetables. Which of these methods is most effective way?
    - A. Overcooking vegetables until they are very soft.
    - B. Washing vegetables after cutting them.
    - C. Cooking vegetables for a short time with minimal water.
    - D. Storing vegetables in direct sunlight.
  9. In an Agriculture club meeting, the learners agreed that planting trees around the compound conserves the environment because trees
    - A. release useful gases.
    - B. reduces soil pollution.
    - C. provide shade and reduce soil erosion.
    - D. are home to wildlife.
  10. During land preparation, Susan was asked to prepare the soil into a suitable tilth. What does "tilth" mean in this context?
    - A. The slope of the land.
    - B. The spacing between crops.
    - C. The condition of soil suitable for planting.
    - D. The type of manure applied.
  11. Hilda took the following photograph of maize growing on their farm.



Identify the structures in which the maize plants

have been planted.

- A. Sunken beds
  - B. Water retention pits
  - C. Planting holes
  - D. Earth basins
12. While learning about crop management practices, Mary mentioned thinning. What is the main reason for thinning crops?
    - A. To overcrowd plants.
    - B. To reduce plant competition for nutrients.
    - C. To increase soil pollution.
    - D. To waste planting materials.
  13. During a farm visit, Peter observed crop rotation. His teacher explained that crop rotation helps in
    - A. increasing soil erosion
    - B. reducing build-up of pests and diseases
    - C. polluting the soil
    - D. destroying soil structure.
  14. While preparing eggs for sale, Ann was taught that washing eggs with very hot water may cause
    - A. cracks in the shells
    - B. improved shelf life
    - C. reduced chances of contamination
    - D. easier packaging.
  15. Processing honey involves two main steps.



Identify the step show in the picture above.

- A. Crushing
  - B. Squeezing
  - C. Packing
  - D. Restraining
16. John's uncle sells honey at the market. To prepare honey properly for sale, the most important step is
    - A. mixing it with water
    - B. heating it excessively
    - C. straining it to remove impurities
    - D. adding chemical preservatives.
  17. Which of the following statements is TRUE about grilling?
    - A. It uses direct dry heat.
    - B. It always requires water.
    - C. It adds excess oil to food.
    - D. It destroys most nutrients in food.



18. In a competition, Kelvin was asked which cooking method is best for conserving both taste and nutrients. Which method is most appropriate?  
 A. Deep frying      B. Over-boiling  
 C. Steaming          D. Roasting for long hours
19. Mr. Wekesa taught Grade 7 learners about hygiene in rearing animals. Which of the following is not a good practice?  
 A. Cleaning animal houses regularly.

- B. Providing clean drinking water.  
 C. Allowing accumulation of dung in houses.  
 D. Proper disposal of animal waste.
20. When laundering a loose coloured shirt, Mary was reminded to  
 A. wash it together with white clothes  
 B. use very hot water  
 C. wash it separately in cold water  
 D. use bleach for faster cleaning.

### SECTION B: (30 MARKS)

21. Land preparation is an important practice making it suitable for receiving planting materials.

(a) What do you understand by land preparation? (1 mark)

.....

(b) Outline three reasons why land preparation is important before any planting. (3 marks)

.....

22. During a farm visit, Grade 7 learners realised that newly planted crops on the farm were very close to each other.

(a) What management practice should they advise the farmer to carry out? (1 mark)

.....

(b) Give two importance of the management practice in (a) above. (2 marks)

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23. The picture below shows Grade 7 learners applying herbicides and pesticides on their school farm.



Explain why the excessive use of pesticides and herbicides leads to soil pollution. (2 marks)

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24. In sorting and grading eggs, one of the factors to consider is the shell quality.

(a) Name two aspects that will determine if the shell is of good quality. (2 marks)

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(b) Apart from shell quality, name three other factors to consider when sorting and grading eggs. (3 marks)

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(c) What is the importance of grading and sorting eggs before sale? (1 mark)

.....

Identify the structures in which the maize plants

25. Weeding is one of the agricultural practices performed to improve the growth, development and yield of crops. (3 marks)

(a) Name three physical methods of weeding.

(b) Apart from weeding, name two other agricultural practices performed to improve the growth, development and yield of crops. (2 marks)

26. The picture below shows a chicken waterer.



(a) What role does the waterer play in rearing chicken at home? (1 mark)

(b) Apart from cleaning animal waterers, name two other hygienic practices that we should carry out when rearing domestic animals. (2 marks)

(c) Give two reasons why it is important to carry out hygienic practices when rearing domestic animals. (2 marks)

27. Special treatment in laundry is treating or cleaning clothes differently from just normal washing.

(a) What do you understand by bleaching as a type of special treatment in laundry? (1 mark)

(b) Apart from bleaching, outline two other types of special treatment in laundry. (2 marks)

28. Aisha washed her blue dress and hung it directly under strong sunlight. Explain why this is not recommended when laundering coloured articles. (2 marks)