



TARGETER WINGS

JUNIOR SCHOOL ASSESSMENT

Wings
002

GRADE 7 - 2026

TIME: 1hr 20mins

AGRICULTURE

Learners's Name		Assessment Number	
School Name		School Code	
Learner's Signature		Date	

INSTRUCTIONS TO LEARNERS

1. Write your name and assessment number in the spaces provided above.
2. Write the name and code of your school in the spaces provided above.
3. Sign and write the date of the assessment in the spaces provided above.
4. This paper consists of two sections: A and B.
5. Section A comprises Multiple Choice Questions numbered 1 to 20.
6. Section B comprises short, structured questions number 21 to 29.
7. Answer ALL the questions in section A on the separate ANSWER SHEET provided.
8. Answer ALL the questions in section B in the spaces provided in this QUESTION PAPER.
9. Do NOT remove any page from this question paper.
10. Answer ALL the questions in English.

For official use only

SECTION B

Question	21	22	23	24	25
Maximum Score	6	8	4	8	4
Learner's Score per question.					

SECTION A

Read all the instructions carefully

1. You have been given this question paper and a separate answer sheet. This section consists of 30 multiple choice questions.
2. Answer ALL questions on the ANSWER SHEET provided, NOT on the question paper.
3. Do all the necessary rough work on the question paper.

HOW TO USE THE ANSWER SHEET

4. Use an ordinary HB pencil.
5. Confirm that the answer sheet you have been provided with has the following:

YOUR ASSESSMENT NUMBER

YOUR NAME

NAME OF YOUR SCHOOL

NAME OF THE SUBJECT

6. Keep the answer sheet clean and dry. DO NOT fold it.
7. For each of the questions 1-30, four options are given. The options are lettered A, B, C and D. In each case, only ONE of the four options is correct. Choose the correct option.
8. On the answer sheet, the correct answer is to be shown by drawing a DARK LINE inside the box in which the letter you have chosen is written.

Example:

In the Question Paper: Choose the correct answer.

16. The following are examples of forage crops found within our locality. Which one is not?

A. Lucerne

B. Coffee

C. Maize

D. Rhodes grass

16. [A] [B] [C] [D]

The correct answer is B.

On the answer sheet, in the set of boxes given for number 16, draw a DARK LINE inside the box with the letter B printed in it as marked below.

9. Your dark line MUST be within the box. DO NOT make any marks outside the boxes.
10. For each question, ONLY ONE box is to be marked.

This paper consists of 7 printed pages.

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

SECTION A (20 marks)

Answer ALL the questions in this section.

1. Amin wants to improve the way he uses water in his crop production activities. Which one of the following methods would **best** help him conserve water on the farm?
- A. Over-irrigating the crops every day.
 - B. Using sprinklers at all times of the day.
 - C. Installing drip irrigation systems and applying mulching.
 - D. Allowing the farm to remain flooded.

2. Michael was seen removing excess seedlings from his spinach farm as shown in the picture below.

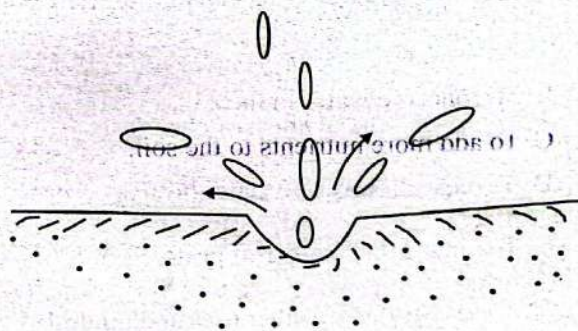


Which of the following is the reason for carrying out the activity?

- A. To prevent competition among the crops.
 - B. To conserve water in the soil.
 - C. To add more nutrients to the soil.
 - D. To expose excessive sunlight to the crops.
3. During Agriculture lesson on soil conservation, learners discussed different ways of sharing information on soil control measures. Which one of the following is **not** a method of creating awareness on soil conservation?
- A. Using dramatization to teach others
 - B. Displaying posters in public places
 - C. Presenting songs and poems to the community
 - D. Reading books individually

4. What is the name given to the practice of planting trees, growing crops and rearing animals on the same piece of land?
- A. Mixed farming
 - B. Agroforestry
 - C. Deforestation
 - D. Afforestation
5. Learners were reminded to practice the 3R's to minimise nutrient loss when cooking vegetables. Which of the following practices is **not** part of the 3R's?
- A. Reducing cooking time
 - B. Reducing the amount of cooking water
 - C. Reducing the surface area of food exposed during preparation
 - D. Reducing the amount of ingredients used when cooking
6. A community wants to improve the structure and workability of their farm soil. Which method will help in improving the soil tilth?
- A. Adding organic matter such as compost or manure.
 - B. Compacting the soil with heavy machinery.
 - C. Leaving the soil bare and exposed to the weather.
 - D. Watering the soil too much.
7. A businessman harvested several cabbages and wants to store them in a way that keeps their nutrients intact for longer. What should he do to maintain their nutritional value?
- A. Place them in direct sunlight.
 - B. Leave them uncovered and exposed to air for many days.
 - C. Store them in sealed plastic bags with no air circulation.
 - D. Keep them in a cool, dry place or refrigerate them.

8. Proper spacing is an important practice when establishing a crop field. What is the main reason for spacing crops **correctly** during planting?
- To make the farm appear neat.
 - To allow farmers to walk comfortably between the crops.
 - To reduce competition for nutrients, water and sunlight.
 - To make harvesting more difficult.
9. While learning about food preparation, grade 7 learners discussed healthy cooking methods. Which two cooking methods helps in conserving nutrients in vegetables?
- Steaming and stir-frying
 - Boiling and steaming
 - Deep frying and boiling
 - Wet frying and boiling
10. Joseph is preparing his land for vegetable farming. Why is good soil tilth important for healthy crop growth?
- It makes the soil harder for roots to penetrate.
 - It improves soil aeration and allows water to infiltrate easily.
 - It reduces the number of earthworms in the soil.
 - It prevents plants from getting enough nutrients.
11. Farmers learnt the importance of protecting the soil from harmful substances. Which one of the following is an importance of controlling soil pollution?
- Preventing soil erosion and nutrient loss, which helps maintain long-term soil productivity.
 - Encouraging surface run-off of water.
 - Ensuring that nutrients are completely lost from the soil.
 - Promoting the growth of crops that are affected by toxic substances in the soil.
12. Mrs. Wanja, wants to ensure her children benefit fully from the vegetables they eat. Why is it important for her to conserve the nutrients in vegetables?
- To improve the colour and appearance of the vegetables
 - To ensure the vegetables provide maximum nutritional value for growth and stronger immunity
 - To help the vegetables stay longer without being eaten
 - To reduce the cost of buying vegetables
13. Mish is a maize farmer, she is preparing a new field for planting. What is the first step he should take before planting?
- Planting the seeds without any preparation
 - Clearing the land by removing weeds and unwanted vegetation.
 - Watering the soil before plowing.
 - Harvesting crops before they mature.
14. The picture below shows raindrops hitting bare soil and scattering soil particles in different directions. Study the picture provided and answer the question that follows.



Which type of soil erosion is shown in the picture?

- Rill erosion
- Gully erosion
- Splash erosion
- Sheet erosion

15. Which of the following crop management practice is used to replace seeds or seedlings that failed and did **not** germinate?

- A. Gapping
- B. Thinning
- C. Earthing up
- D. Pruning

16. A community is checking the condition of the soil on its farm. Which characteristic shows that the soil has good tilth?

- A. It is hard and compact.
- B. It has poor drainage and becomes waterlogged.
- C. It is loose, well-aerated and crumbles easily.
- D. It contains very little organic matter.

17. John is applying water conservation methods on his farm to improve sustainability. Why is it important for him to use water efficiently?

- A. To prevent the overuse of chemicals.
- B. To make crops grow faster.
- C. To reduce the number of pests.
- D. To save water for other uses and minimize farming costs

18. Farmers use different techniques to preserve soil moisture during dry seasons. Which one of the following is **not** a method of conserving soil moisture?

- A. Mulching
- B. Shading crops
- C. Cover cropping
- D. Thinning plants

19. Grade 6 learners were asked to name the type of soil erosion that is not easy to notice. Which of the following is the right response?

- A. Sheet erosion
- B. Gully erosion
- C. Splash erosion
- D. Rill erosion

20. In crop production, farmers apply various methods to manage harmful organisms. Which of the following is a common method of controlling pests in crop farming?

- A. Sprinkling water on crops
- B. Using pesticides
- C. Removing weeds
- D. Harvesting crops early

Section B

Answer ALL the questions provided. (30 Marks)

21. a) What is soil pollution?

(2 Marks)

b) State **four** ways in which a household can cause soil pollution.

(4 Marks)

- i) _____
- ii) _____
- iii) _____
- iv) _____

22. Mrs. Kamau constructed the structure shown below to help conserve surface run-off.



a) Identify the structure.

(1 Mark)

b) Name **two** crops that can be planted in the structure above.

(2 Marks)

- i) _____
- ii) _____

c) Name other **two** structures used to conserve surface run-off.

(2 Marks)

- i) _____
- ii) _____

d) State **three** importance of conserving surface run-off.

(3 Marks)

- i) _____
- ii) _____
- iii) _____

23. Damian and his father, planted tree seedlings during Mazingira Day. State **three** benefits of planting trees to the environment.

(4 Marks)

- i) _____
- ii) _____
- iii) _____
- iv) _____

24. Briefly explain how each of the following always helps in conserving vitamins and nutrients in vegetables.

(8 Marks)

i) Washing

ii) Cutting

iii) Peeling

iv) Cooking time

25. Draw a poster displaying an awareness message on controlling soil pollution.

(4 Marks)

