

Candidate's Name		Assessment No.	
School Name		School Code	
Candidate's Sign		Date	



003-2025

JUNIOR SCHOOL ASSESSMENT

GRADE 8

JESMA
003

- AGRICULTURE AND NUTRITION -

Time: 1 hour 40 minutes

INSTRUCTIONS TO CANDIDATES

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 **30**.
6. **Section B** comprises short, structured questions number **31** to **40**.
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

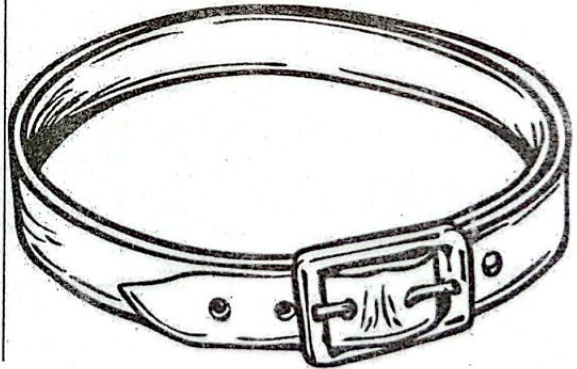
SECTION B

Task	Task 1: Agriculture						Task 2: Nutrition			
Question	31	32	33	34	35	36	37	38	39	40
Maximum score	8	10	2	6	6	4	12	6	2	4
Candidate's score										
Total per task										

This paper consists of 8 printed pages.

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

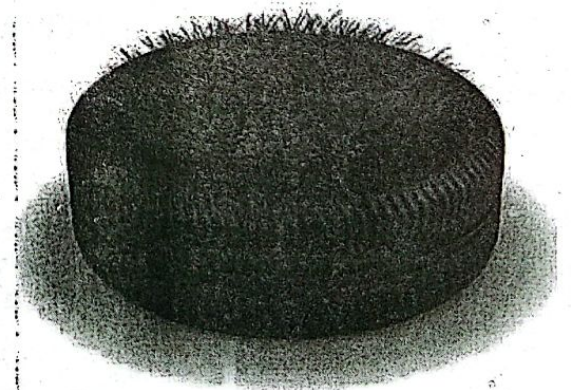
SECTION A: 30MARKS

- Grade 8 learners wanted to construct a water pond. Which of the following is **not** a factor to consider?
 - Size of the land
 - Type of soil
 - Cost
 - Amount of water
- Learners from Muhoroni Furaha were asked to state methods of storing harvested water. What answers did they give?
 - Tanks, fish ponds, shallow water pans
 - Deep water pans, tanks, water ponds
 - Water ponds, shallow water pans, tanks
 - Shallow water pans, tanks, fish ponds
- Which of the following food **cannot** be cooked using rub-in method?
 - Doughnut
 - Chapati
 - Cake
 - Biscuits
- Nuh wants to cook indigenous vegetable. What changes is she **likely** to observe on the vegetable as they cook?
 - Quantityy
 - Size
 - Quality
 - Texture
- Jane accidentally soiled her dress on a small area. Which special treatment should she carry out?
 - Sponging
 - Spotting
 - Starching
 - Bleaching
- A Grade 8 learner took a photo of the following.


The picture above is an example of

 - accessory
 - belt
 - cosmetic
 - ornament

7. Mwikali made a square foot garden. What is she **not** likely to plant in it?
- Vegetables
 - Spices
 - Herbs
 - Fruits
8. Mike was advised to divide his garden into a set of partions. What is the importance of that?
- For beauty
 - For maximum production
 - To plant many crops
 - Improve fertility
9. Amylia loves eating banana and milk. Which food would you advise her to add to her menu to have a balance diet?
- Meat
 - Chapati
 - Berries
 - Eggs
10. Pests attacked Abdikadir's vegetable crops. Which of the following is **not** likely a sign of pest attack?
- Cut-off seedlings
 - Curling leaves
 - Punctured leaves
 - Yellow leaves
11. Maroriot 4K-Club members saw aphids in their farm. Which method would they **not** use to control pests?
- Handpicking
 - Removing affected parts
 - Uprooting
 - Applying ash
12. Komora wanted to prepare a meal. He placed his food over dry heat. Which method of cooking was he using?
- Grilling
 - Roasting
 - Frying
 - Steaming
13. Grade 8 learners of Garissa Primary made the following innovative technology for kitchen garden. Which one is it?



- Drip
- Multi-storey
- Wick
- Tyre

14. While cleaning her articles, Amani added salt to the final rinsing. Why did she do so?
- A. To brighten colour
 - B. To remove dirt
 - C. To fix colour
 - D. To kill germs
15. Which of the following nutrients are needed by the body in small amounts?
- A. Vitamins
 - B. Proteins
 - C. Carbohydrates
 - D. Lipids
16. Which of the following is carried out on the compost heap every two weeks?
- A. Sprinkling water
 - B. Turning the compost heap
 - C. Uncovering the heap
 - D. Adding ash
17. How long does it take for compost manure to be ready?
- A. Two weeks
 - B. Two months
 - C. One day
 - D. Three months
18. Almasi was asked by his teacher to mention care products for carrots. Which one is not?
- A. Mulching
 - B. Thinning
 - C. Digging
 - D. Watering
19. You will know a well cooked meal by the following except
- A. aroma
 - B. eating
 - C. observation
 - D. colour
20. Masengeli saw the plant shown in the picture, that spread their weak stems horizontally on the ground.



The is an example of _____
crop.

- A. food
- B. climbing
- C. fibre
- D. creeping

21. Which of the following is **not** the importance of mulching?
- A. Maintain soil moisture
 - B. It suppress weeds
 - C. Decreases fertility
 - D. Protection against sunlight and raindrops
22. Njeri exhibited the following signs
- i) *General body weaknesses*
 - ii) *Thin body*
 - iii) *Dry loose skin*
- What is she **likely** suffering from?
- A. Marasmus
 - B. Kwashiorkor
 - C. Anaemia
 - D. Goitre
23. Lillie identified surfaces in their home. Which one did she **not** identify?
- A. Earthen
 - B. Plastic
 - C. Glass
 - D. Wooden
24. Irma researched on health routines suitable for managing sweat. Which one is **not**?
- A. Apply deodorant
 - B. Wear light clothes when it is hot
 - C. Eat healthy and drink plenty of water
 - D. Wear non-absorbent innerwear
25. Karongo did off-season farming. What benefit would he get?
- A. More nutrients
 - B. Higher quality
 - C. Continuous supply of food
 - D. Less chemical use
26. The following are routine practices in rearing small domestic animals **except**
- A. irrigation
 - B. watering
 - C. feeding
 - D. sanitation
27. Cooking is application of _____ to make food edible.
- A. flavour
 - B. ingredients
 - C. heat
 - D. spices
28. Amanda's mother was preparing her meal in a liquid over low heat. Which method of cooking is that?
- A. Steaming
 - B. Boiling
 - C. Stewing
 - D. Frying

29. Which innovative gardening is shown below?



- A. Horizontal B. Vertical
C. Pipes D. Plastics

30. A teacher asked his learners to make trash lines in their school garden. Which material don't they require?

- A. Wheat straw
B. Grass
C. Maize stalk
D. Suckers

SECTION B:

31. Name any **four** innovative technologies of kitchen gardening. (8mks)

- a) _____
b) _____
c) _____
d) _____

32. A Grade 8 teacher of Agriculture made flash cards which shows classification of food crops. What information are **likely** to be contained? (10mks)

- a) _____
b) _____
c) _____
d) _____
e) _____

33. When deep frying mandazi, Magunga realised the colour changed to brown. Which method of heat transfer took place? (2mks)

34. List any **three** benefits of square gardening.

(6mks)

- a) _____
- b) _____
- c) _____

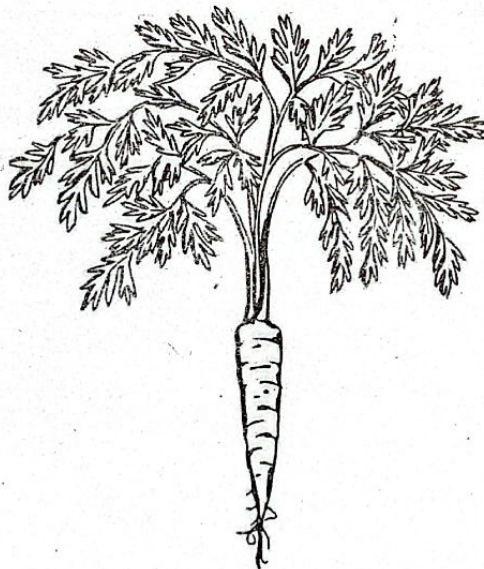
35. Mr. Mwangi asked his learners to name the pest that causes the following signs of vegetable crop. Name what they wrote.

(6mks)

- a) Curling leaves _____
- b) Punctured leaves _____
- c) Cut-off seedlings _____

36. _____ and _____ are easy to control by handpicking. (4mks)

37. This photo shows some spoilt vegetable produce obtained from a farm.



What is the **likely** cause? _____ (2mks)

38. Learners of Inua School were asked to search the internet for safety measures to observe when preparing starchy carbohydrate. Give any **three** findings they came up with. (6mks)

- a) _____
- b) _____
- c) _____

39. Define meal presentation.

(2mks)

40. You are about to have a meal with your family members. Identify any **two** styles of meal service you are **likely** to have. (4mks)

a) _____

b) _____