

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



003-2025

JUNIOR SCHOOL ASSESSMENT

GRADE 9

JESMA
003

- AGRICULTURE AND NUTRITION (THEORY) -

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	5	5	4	4	5	5	3	4	2	3
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:

1. The process by which topsoil is gradually removed and carried away from one place, transported and then deposited in another place by the action of water, wind, animals, and human beings is known as;

A. soil deposition
B. soil erosion
C. soil recovery
D. soil contamination

2. The following are routine practices in the rearing of small domestic animals. Which one is **not**?

A. Housing B. Feeding
C. Watering D. Pruning

3. Ms. Pauline, a Grade Seven Nutrition teacher, taught her learners methods of cooking food. Which one of the following was **not** taught?

A. Drying
B. Stewing
C. Baking
D. Grilling

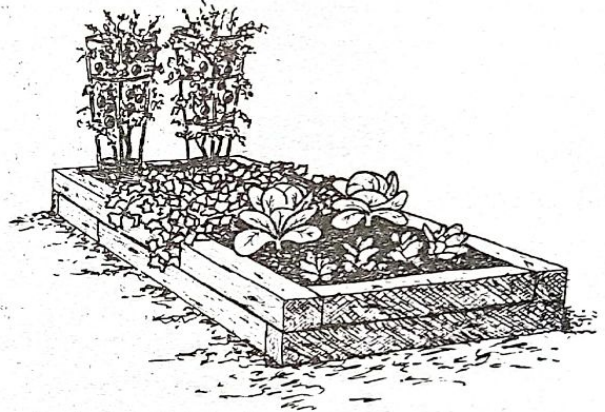
4. The following are practices performed during laundry work. Which one is the **odd one out**?

A. Mending B. Cooking
C. Washing D. Rinsing

5. The process of creating fabric by interlocking loops of yarn, thread, or strands of other materials is referred to as

A. sawing B. crocheting
C. Making seams D. Mending

6. Name the moist bed below.



A. Sunken bed
B. Water retention pits
C. Raised bed
D. Earth basins

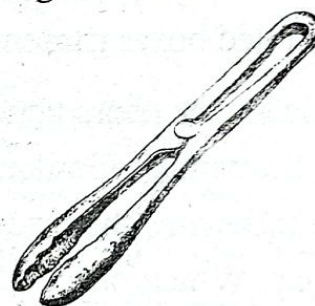
7. Which one of the following is **not** a method of conserving forage in coping with drought?

A. Stacking
B. Making bales
C. Standing forage
D. Herding

8. Which of the following is a way of creating awareness on preventing soil pollution in framing using print media?

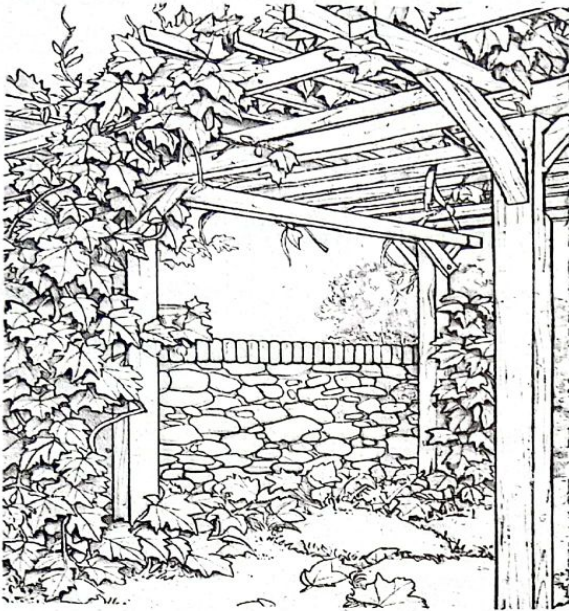
A. Dramatisation
B. Songs
C. Poems
D. Posters

9. Surface runoff is conserved or collected in the following structure except one. Which one is it?
- Water retention ditches.
 - Earth basins.
 - Water retention pits.
 - Raised beds
10. Which of the following crops can be established in water retention structures?
- Beans
 - Arrow roots
 - Maize
 - Onions
11. Growing of crops, trees, and rearing of animals on the same piece of land is known as
- Afforestation
 - Deforestation
 - Agroforestry
 - Mixed farming
12. _____ is the removal of the unwanted parts may be due to breakages, overcrowding, pest or disease attack and low productivity.
- Thinning
 - Pruning
 - Gapping
 - Training
13. Which of the following crops require fine tilth?
- Sorghum
 - Maize
 - Cuttings
 - Beans
14. _____ is heaping of soil around the base or root zone of the crop.
- Hardening
 - Gapping
 - Thinning
 - Earthing up
15. The following are factors that help determine the choice of a cooking method. Which one is not?
- Time available
 - Fuel or means of cooking.
 - Target people
 - The type of food
16. The equipment below is used in roasting food, name it.



- Roasting pan
 - Two-prong pork
 - Skewer
 - Tongs
17. Which of the following materials is not used for laundering loose-coloured clothes?
- Bleaching agent
 - Vinegar
 - Salt
 - Lemon

18. Name the suspended garden below.



- A. Arbor arch garden
 - B. Framed suspended wall gardens
 - C. Pergola gardens
 - D. Suspended boxes garden
19. Materials for the construction of the Framed Suspended Gardens should have the following characteristics **except** one. Which one is it?
- A. Cheap
 - B. Easily available
 - C. Short lasting
 - D. Easy to work with
20. Which of the following is **not** a way of adding value to crop produce?
- A. Drying
 - B. Frying
 - C. Roasting
 - D. Cooking
21. Which of the following is a quality of an effective cleaning agent?
- A. Should not be gentle on the hand.
 - B. Lathers easily with water

- C. Should not have an appealing fragrance
- D. Should contain substances that can harm fabric

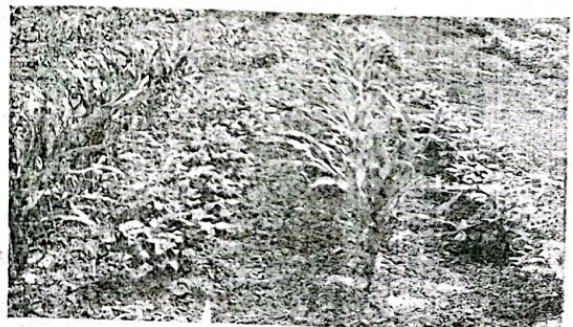
22. Below are components of integrated farming in conserving resources except one. Which one is it?

- A. Crop production
- B. Mixed farming
- C. Agroforestry
- D. Livestock farming

23. Which one is a reason for soil conservation?

- A. To keep topsoil in its place
- B. To reduce fertility in the soil
- C. To minimise soil productivity
- D. Helps to reduce agricultural production

24. Name the soil conservation method



- A. Strip cropping
- B. Grassed waterways.
- C. Stone lines
- D. Trash lines

25. Which of the following is not an example of innovative kitchen gardens?

- A. Wick
- B. Nursery bed
- C. Hanging pots
- D. Simple drip

26. Which of the following cannot be used to identify vegetable crops attacked by pests?

- A. Curling leaves
- B. Punctured leaves
- C. Rotting of plant parts
- D. Cut-off seedling

27. Which of the following is not a method of removing both loose and fixed dirt in the kitchen?

- A. Sweeping
- B. Dusting
- C. Scrubbing
- D. Rinsing

28. Which of the following is an organic gardening practice? Using;

- A. Inorganic manure
- B. Inorganic pesticides
- C. Chemical weed control
- D. Organic foliar feed

29. Which of the following is not a quality of a well-made seam?

Which technique was used to create the texture?

- A. Hatching
- B. Smudge
- C. Block
- D. Stippling

30. Grade 9 learners from Success Academy visited a nearby farm and observed the following factors on the farm.

- i) *Stones below the topsoil are exposed*
- ii) *Roots of plants including crops, grass and trees are exposed*
- iii) *Eroded soil and crop remains are deposited at the lower areas of the slope*
- iv) *Crop yields reduce season after season because of declining soil fertility*

The farmer explained that they were caused by soil erosion. Which type of soil erosion was the farm experiencing?

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

SECTION B 40 MARKS

31. Grade Nine learners discussed physical deterrents that help a farmer keep wild animals from destroying crops and domestic animals. Outline five physical deterrents that they were likely to discuss. (5mks)

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

32. Mr. Karuki taught his learners practices that enhance body cleanliness. Describe five practices that they learned. (5mks)

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

33. Outline four basic tools and materials used in crocheting. (4mks)

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

34. Grade Nine learners from Makengekani Primary School were learning the importance of conserving water in farming. Highlight four points they were likely to learn. (4mks)

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

35. Gathoni was reading about the ways of conserving vitamins and mineral salts in vegetables during food handling, preparation and cooking. Outline five ways she was likely to come across. (5mks)

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

36. State and explain five nursery management practices done in a tree nursery. (5mks)

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

37. Emma, a crop farmer, uses physical methods to control weeds on her farm. Outline three physical methods she is likely to use. (3mks)

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

38. Outline four the measures to be observed when laundering-coloured clothes. (4mks)

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

39. Define knitting.

(2mks)

40. Grade 9 learners were learning the importance of value addition in crops. Give three benefits that they learned. (3mks)

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