

Candidate's Name		Assessment Number	
School Name		School Code	
Candidate's Signature		Date	

KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT (KJSEA)

GRADE 8: AGRICULTURE AND NUTRITION

PAPER 1 (Theory)

CODE: 009 YEAR: 2025

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

Instructions to Candidates:

- 1) Write your name and assessment number in the spaces provided.
- 2) Answer ALL questions in Section A and Section B.
- 3) All answers must be written in the spaces provided in this question booklet.
- 4) This paper consists of 12 printed pages. Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.
- 5) Candidates should answer the questions in English.



For Official Use Only

SECTION A: MULTIPLE CHOICE QUESTIONS (30 Marks)

Question Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Maximum Score	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Candidate's Score																
Question Number	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total score
Maximum Score	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
Candidate's Score																

SECTION B: STRUCTURED QUESTIONS (50 Marks)

Part 1: AGRICULTURE (25 Marks)

Qn No.	31	32	33	34	35	36	37	Total Agriculture
Max Score	3	3	5	4	4	4	2	24
Cand score								

Part 2: NUTRITION (25 Marks)

Qn No.	38	39	40	41	42	43	44	Total Nutrition
Max Score	3	3	3	4	4	4	4	25
Cand score								

SUMMARY

Section	Max Score	Candidate Score
Section A	30	
Section B1	25	
Section B2	25	
TOTAL	80	

This paper consists of 6 printed pages. Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

© 2025 The Kenya Junior School Examination and Assessment Series.

Turn over

SECTION A: (30 MARKS)

Choose the most appropriate answer for each question.

- 1. Njeri noticed some black plastic bags and chemical bottles thrown near the maize farm. What is likely to happen to the soil if they remain there?**
 - A. Soil will become more fertile
 - B. Soil will get polluted
 - C. Water will increase in the soil
 - D. The crops will grow faster
- 2. After heavy rains, the head-teacher advised digging trenches across the school slope. What soil conservation method is being used?**
 - A. Contour farming
 - B. Intercropping
 - C. Crop rotation
 - D. Broadcasting
- 3. A good reason for establishing water ponds in a farm is to:**
 - A. Attract birds
 - B. Store rainwater for dry seasons
 - C. Stop trees from growing
 - D. Prevent evaporation
- 4. Ali mixed cow dung and maize stalks to cover the ground in his kitchen garden. This practice is known as:**
 - A. Weeding
 - B. Harvesting
 - C. Mulching
 - D. Broadcasting
- 5. Which of the following materials improves water retention in sandy soil?**
 - A. Plastic pieces
 - B. Animal manure
 - C. Stones
 - D. Sawdust
- 6. The Agriculture club planted cassava, sukuma wiki, and carrots. These plants are examples of:-**
 - A. Legumes
 - B. Fruits
 - C. Vegetables
 - D. Tubers
- 7. Which is the most appropriate tith for planting sukuma wiki seedlings?**
 - A. Coarse
 - B. Fine
 - C. Hardpan
 - D. Rocky
- 8. Your classmate plants beans every season on the same land. Over time, the beans perform poorly. What crop management practice should be introduced?**
 - A. Mulching
 - B. Irrigation
 - C. Crop rotation
 - D. Thinning
- 9. One way of identifying sick crops is by observing:**
 - A. Fast growth
 - B. Strong stems
 - C. Wilting leaves
 - D. More flowers
- 10. During a lesson, the teacher placed three plant leaves with yellow spots on the table. What can the yellow spots indicate?**
 - A. Good nutrition
 - B. Pest attack
 - C. Strong roots
 - D. Sunlight exposure
- 11. Which of these is a method of pest control that avoids using chemicals?**
 - A. Spraying insecticides
 - B. Using traps
 - C. Dusting pesticides
 - D. Sprinkling ash
- 12. You visit a poultry farm and notice one chicken is sneezing, has a swollen head, and watery eyes. What should the farmer do first?**
 - A. Sell the chicken
 - B. Kill the chicken
 - C. Isolate the chicken
 - D. Feed it more food
- 13. Which of these is NOT a part of a poultry fold?**
 - A. Nesting box
 - B. Waterer
 - C. Feeder
 - D. Shovel
- 14. Mariam is roasting groundnuts on a pan over fire. This cooking method is known as?**
 - A. Steaming
 - B. Frying
 - C. Roasting
 - D. Boiling
- 15. Which method is best for preserving fish at home for a long time?**
 - A. Boiling
 - B. Salting and drying
 - C. Peeling and slicing
 - D. Soaking in water

16. James is steaming vegetables using a sufuria and lid.



What is the benefit of this method?

- A. Uses more oil
 - B. Preserves nutrients
 - C. Makes vegetables tasteless
 - D. Causes more wastage
17. One of the best materials for making homemade soap is:
- A. Ash solution
 - B. Sand
 - C. Cement
 - D. Sugar
18. A pupil is sewing a plain seam to make a pillow case. What tool is she likely using?
- A. Knife
 - B. Fork
 - C. Needle
 - D. Trowel
19. Which of the following vegetables is commonly grown in kitchen gardens?
- A. Mango
 - B. Sukuma wiki
 - C. Sugarcane
 - D. Maize
20. During a cooking class, pupils are asked to serve a meal where everyone serves themselves from shared dishes. What serving method is this?
- A. Buffet
 - B. Blue plate
 - C. Family service
 - D. School meal plan
21. One of the household items that can be sewn at home is:
- A. Pillowcase
 - B. Window
 - C. Cup
 - D. Spoon
22. Musa keeps pouring leftover food into the garden to rot. This may lead to:-
- A. Richer soil
 - B. Soil pollution

- C. Less waste
- D. More water

23. Which of the following is a good hygiene practice when rearing poultry?
- A. Washing hands before and after feeding
 - B. Allowing birds to roam everywhere
 - C. Feeding poultry in dirty containers
 - D. Mixing sick and healthy birds
24. Which method is used to process poultry meat before storage?
- A. Peeling
 - B. Drying
 - C. Beheading and cleaning
 - D. Wrapping in leaves
25. A learner pours milk into a clean bottle and places it in a cold basin. What preservation method is this?
- A. Fermentation
 - B. Cooling
 - C. Salting
 - D. Freezing
26. Which tool is used to make holes when sewing by hand?
- A. Ruler
 - B. Needle
 - C. Hammer
 - D. Compass
27. Peter grew vegetables in used plastic containers filled with soil, hanging on wooden poles. This type of gardening is called:-
- A. Suspended garden
 - B. Vertical garden
 - C. Fence garden
 - D. Drip garden
28. Which nutrient provides the body with energy?
- A. Vitamins
 - B. Proteins
 - C. Carbohydrates
 - D. Iron
29. A student washes coloured clothes using cold water and hangs them in the shade. This is because:-
- A. Hot water removes colour
 - B. Cold water destroys fibre
 - C. Shade fades the fabric
 - D. Colour clothes need more dust
30. One reason for constructing kitchen gardens near the home is:
- A. Requires much labour
 - B. Easily accessed for daily harvesting
 - C. Provides shade
 - D. Attracts insects

SECTION B: STRUCTURED QUESTIONS (50 MARKS)

Answer all questions in the spaces provided.

Part 1: Agriculture – 25 Marks

31. Identify and explain two causes of soil erosion and one method used to control it. **(3marks)**

i.

ii.

32. Describe how water harvesting can be done using: **(3marks)**

a) Gutters

.....

.....

b) Water tanks

.....

.....

33. Explain the importance of growing trees on the farm. **(4marks)**

a) Mention two tree species that improve soil fertility.

i.

ii.

b) How do trees help in water retention?

.....

.....

34. A poultry farmer wants to improve hygiene in the fold. **(5marks)**

a) List three hygiene practices to observe in poultry management.

i.

ii.

iii.

b) Mention two signs of a diseased chicken.

- i.
- ii.

35. Using your knowledge of crop management: **(5marks)**

a) Name three methods of controlling crop pests.

- i.
- ii.
- iii.

b) What are two visible signs of disease in vegetable crops?

- i.
- ii.

36. Outline the steps in constructing a **suspended garden** using old containers. Include at least one sketch. **(5marks)**

.....

.....

.....

.....

.....

.....

Part 2: Nutrition – 25 Marks

37. Define a balanced diet and list three nutrients that make it complete. **(3marks)**

.....

.....

.....

.....

38. Mention two cooking methods that preserve food nutrients. For each method, explain how it works. **(4marks)**

- i.
- ii.

39. Your class is preparing to serve lunch. **(4marks)**

a) List two table manners to observe during meals.

- i.
- ii.

b) Describe the **blue plate** method of serving.

.....
.....

40. Describe the step-by-step procedure for making homemade soap using local materials. **(5marks)**

.....
.....
.....
.....
.....

41. A pupil is sewing a work bag. **(4marks)**

a) Identify two types of seams she can use.

- i.
- ii.

b) State the importance of each seam.

.....
.....

42. Explain two ways of preserving milk at home and their importance to nutrition. **(5marks)**

- i.
- ii.

THIS IS THE LAST PRINTED PAGE.