**KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT**

**906/1**   
**906/1 AGRICULTURE AND NUTRITION (Theory)**  
**PAPER 1**  
**Time: 1 hour 40 minutes**

**NAME:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
**SCHOOL NAME:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
**DATE:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **SIGN:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**INSTRUCTIONS TO CANDIDATES**

1. Write your name and assessment number in the spaces provided.
2. Write the name and code of your school in the spaces provided.
3. Sign and write the date of the assessment in the spaces provided.
4. This paper consists of two sections: **A and B**.
5. Section A consists of **30 multiple-choice questions**.
6. Section B consists of **short-structured questions (31–42)**.
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 questions in English.

**SECTION** A (30 Marks)

Answer ALL the questions in this section.

1. **A farmer in Narok County has been experiencing heavy soil erosion in his farm. What is the best conservation method to prevent further soil loss?**



A) Crop rotation  
B) Planting trees  
C) Overgrazing  
D) Using chemical fertilizers

1. **Jane’s family has a kitchen garden where they grow spinach, sukuma wiki, and carrots. What is the main benefit of this practice?**  
   A) Increasing food wastage  
   B) Providing fresh vegetables at home  
   C) Reducing soil fertility  
   D) Encouraging use of synthetic fertilizers
2. **After harvesting maize, a farmer noticed weevils in the storage room. What is the best way to prevent further damage?**  
   A) Store maize with other farm produce  
   B) Apply chemical pesticides to all stored grains  
   C) Keep maize in a humid storage area  
   D) Mix maize with ash or neem leaves
3. **Which of the following is NOT a method of water harvesting?**  
   A) Building terraces  
   B) Constructing farm ponds  
   C) Using underground tanks  
   D) Digging boreholes
4. **Moses wants to preserve leftover food in his home. Which method is NOT suitable for food preservation?**  
   A) Refrigeration  
   B) Sun-drying  
   C) Leaving food uncovered overnight  
   D) Salting
5. **A school farm wants to practice integrated farming. Which of the following is an example of this practice?**  
   A) Planting one type of crop only  
   B) Using excessive chemical fertilizers  
   C) Keeping livestock and growing crops on the same farm  
   D) Burning crop residues after harvesting
6. **Which of the following food items is made from flour mixtures?**  
   A) Githeri  
   B) Mandazi  
   C) Ugali  
   D) Fried fish
7. **Why is it important to conserve soil in agriculture?**  
   A) To increase soil erosion  
   B) To improve soil fertility  
   C) To remove organic matter  
   D) To decrease food production
8. **Susan bought eggs from the market. Which feature shows that the eggs are fresh?**  
   A) The egg yolk is runny  
   B) The eggshell is cracked  
   C) The egg sinks in water  
   D) The egg has a bad smell
9. **Why should farmers rear indigenous chicken?**  
   A) They require less food and care  
   B) They are expensive to maintain  
   C) They do not produce eggs  
   D) They are only kept in cities
10. **Which structure is used in poultry rearing in a fold?**  
    A) Battery cage  
    B) Free-range system  
    C) Deep litter system  
    D) Open-air grazing
11. **An example of a crop pest is:**  
    A) Rust  
    B) Weevils  
    C) Wilt  
    D) Blight
12. **The best way to manage crop diseases is:**  
    A) Burning infected plants  
    B) Overusing pesticides  
    C) Ignoring sick crops  
    D) Applying excess fertilizers
13. **A good egg should have:**  
    A) A rough shell  
    B) A small yolk  
    C) A clean and smooth shell  
    D) A watery albumen
14. **What quality defines good honey?**  
    A) High water content  
    B) Strong fermentation smell  
    C) Thick consistency  
    D) Sour taste
15. **Which method is best for preserving milk and meat?**  
    A) Salting  
    B) Burning  
    C) Keeping in open air  
    D) Boiling only
16. **Which is a moist cooking method?**  
    A) Roasting  
    B) Frying  
    C) Boiling  
    D) Grilling
17. A balanced meal should contain:  
    A) Proteins only  
    B) Carbohydrates only  
    C) Vitamins only  
    D) Carbohydrates, proteins, and vitamins
18. Which is NOT a way of cleaning the kitchen?  
    A) Sweeping the floor  
    B) Using soap and disinfectants  
    C) Leaving dirty dishes overnight  
    D) Cleaning cooking utensils after use
19. Which of the following is an example of sewing skills?  
    A) Ironing clothes  
    B) Cutting fabric and stitching  
    C) Wearing clothes  
    D) Cooking food
20. **A household item that can be constructed using sewing skills is:**  
    A) A table  
    B) A pillowcase  
    C) A spoon  
    D) A window
21. **A good household animal waterer should:**  
    A) Be made from glass  
    B) Be easy to access by animals  
    C) Contain hot water  
    D) Be easily breakable
22. Which ICT support service is useful in agriculture?  
    A) Internet banking  
    B) Weather forecasting apps  
    C) Online shopping  
    D) Video streaming
23. A farm practice that conserves soil and water is:  
    A) Monocropping  
    B) Zero tillage  
    C) Ploughing against the slope  
    D) Cutting down trees
24. An example of an organic gardening crop is:  
    A) Maize  
    B) Tomatoes  
    C) Cotton  
    D) Pine trees
25. A component of integrated farming is:  
    A) Burning crop residues  
    B) Using chemical fertilizers  
    C) Fish farming  
    D) Planting only one type of crop
26. A suitable way of conserving forage is:  
    A) Spreading on open ground  
    B) Storing in a humid environment  
    C) Making silage  
    D) Drying and storing in an open area
27. Which flour mixture is used in baking?  
    A) Maize flour  
    B) Cake flour  
    C) Ugali flour  
    D) Millet flour
28. Which is a method of preparing eggs for consumption?  
    A) Soaking  
    B) Steaming  
    C) Fermenting  
    D) Peeling
29. Water storage is important because:  
    A) It reduces farm production  
    B) It helps during drought  
    C) It increases soil erosion  
    D) It promotes wastage

**SECTION B (40 Marks)**

**Answer ALL questions in the spaces provided.**

1. **John’s farm has been affected by soil erosion due to heavy rainfall. Suggest two ways he can prevent further soil loss.**  
   a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. **A family has leftover ugali and vegetables. Suggest two ways they can conserve the food to avoid wastage.**  
   a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. **Mary wants to keep eggs fresh for a long time. List two methods she can use to preserve them.**  
   a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. **A farmer wants to improve soil fertility naturally. Suggest two organic materials he can use.**  
   a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. **A school cook wants to prepare healthy meals for students. Suggest two ways of making food more nutritious.**  
   a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. **Peter is planning to start a kitchen garden at home. Name two vegetables he can grow in his garden.**  
   a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. **Linet bought honey from a market. How can she check if it is pure honey? Give two ways.**  
   a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. **A group of farmers wants to start an organic farm. Suggest two farming practices they should use.**  
   a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. **A dairy farmer wants to store milk for a long time. Suggest two methods of preserving milk.**  
   a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. **Kamau wants to cook meat for his family. Name two cooking methods he can use.**  
    a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
    b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. **Your school wants to start a poultry project. List three structures needed to rear chicken.**  
    a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
    b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
    c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. **David wants to start a beekeeping business. Suggest two benefits of keeping bees.**  
    a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
    b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ANSWERS**

1. **B) Planting trees**
2. **B) Providing fresh vegetables at home**
3. **D) Mix maize with ash or neem leaves**
4. **A) Building terraces**
5. **C) Leaving food uncovered overnight**
6. **C) Keeping livestock and growing crops on the same farm**
7. **B) Mandazi**
8. **B) To improve soil fertility**
9. **C) The egg sinks in water**
10. **A) They require less food and care**
11.  **A**) Battery cage
12.  **B**) Weevils
13.  **A**) Burning infected plants
14.  **C**) A clean and smooth shell
15.  **C**) Thick consistency
16.  **A**) Salting
17.  **C**) Boiling
18.  **D**) Carbohydrates, proteins, and vitamins
19.  **C**) Leaving dirty dishes overnight
20.  **B**) Cutting fabric and stitching
21.  **B**) A pillowcase
22.  **B**) Be easy to access by animals
23.  **B**) Weather forecasting apps
24.  **B**) Zero tillage
25.  **B**) Tomatoes
26.  **C**) Fish farming
27.  **C**) Making silage
28.  **B**) Cake flour
29.  **B**) Steaming
30.  **B**) It helps during drought
31. **Ways to prevent soil erosion:**  
    a) Planting cover crops or grass.  
    b) Constructing terraces or using contour farming.
32. **Ways to conserve leftover ugali and vegetables:**  
    a) Storing in an airtight container and refrigerating.  
    b) Reheating and consuming the next day.
33. **Methods of preserving eggs:**  
    a) Storing in a cool, dry place.  
    b) Coating with oil or keeping in an egg tray inside a refrigerator.
34. **Organic materials to improve soil fertility:**  
    a) Compost manure.  
    b) Animal dung or farmyard manure.
35. **Ways to make food more nutritious:**  
    a) Adding vegetables and fruits to meals.  
    b) Using whole grains instead of refined grains.
36. **Vegetables for a kitchen garden:**  
    a) Spinach.  
    b) Sukuma wiki (kale).
37. **Ways to check if honey is pure:**  
    a) Pure honey does not dissolve immediately in water.  
    b) It does not crystallize quickly when stored.
38. **Organic farming practices:**  
    a) Use of compost or farmyard manure instead of synthetic fertilizers.  
    b) Crop rotation to maintain soil fertility.
39. **Methods of preserving milk:**  
    a) Boiling and storing in a clean container.  
    b) Refrigeration or pasteurization.
40. **Cooking methods for meat:**  
    a) Boiling.  
    b) Roasting or grilling.
41. **Structures needed to rear chicken:**  
    a) Chicken coop (poultry house).  
    b) Feeding and watering troughs.  
    c) Nesting boxes for laying eggs.
42. **Benefits of keeping bees:**  
    a) Produces honey, which is nutritious and medicinal.  
    b) Helps in crop pollination, increasing farm yields.