**KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT**

**EXAM 2025**

**AGRICULTURE (906)**

**NAME:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SCHOOL:**  .\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**STREAM:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
**DATE:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**INSTRUCTIONS**

1. Write your name, school, and stream in the spaces provided above.
2. Answer **ALL** the questions in this booklet.
3. This question paper consists of **two sections: A and B**.
4. Answer **all questions** in Section A in the table provided.
5. Answer **all questions** in Section B in the spaces provided after each question.
6. Show all your workings in Section B.
7. **Do NOT remove any page** from this question paper.
8. Answer the questions in **English**.

**LEARNER'S SCORE**

|  |  |  |
| --- | --- | --- |
| Section | Scores | Total |
| A (Out of 30) |  |  |
| B (Out of 40) |  |  |

**SECTION A: MULTIPLE-CHOICE QUESTIONS (30 MARKS)**

1. Which of the following is a method of conserving resources?  
   A) Overgrazing  
   B) Deforestation  
   C) Agroforestry  
   D) Burning waste
2. The best way to conserve animal feed for long-term use is:  
   A) Storing in airtight containers  
   B) Spreading on the ground  
   C) Keeping in damp places  
   D) Mixing with fresh forage
3. One of the methods of conserving hay is:  
   A) Feeding it immediately  
   B) Keeping it in a moist area  
   C) Drying it completely before storage  
   D) Mixing it with silage
4. Leftover food can be conserved by:  
   A) Throwing it away  
   B) Storing in a warm place  
   C) Refrigeration and drying  
   D) Mixing with fresh food
5. One importance of conserving leftover food is:  
   A) Increasing food wastage  
   B) Reducing foodborne diseases  
   C) Increasing food prices  
   D) Making food unsafe
6. Which of the following is a component of integrated farming?  
   A) Growing only one crop  
   B) Combining crop and livestock farming  
   C) Keeping only animals  
   D) Using chemical pesticides excessively
7. Organic gardening promotes:  
   A) Use of synthetic fertilizers  
   B) Conservation of soil fertility  
   C) Burning of crop residue  
   D) Use of genetically modified seeds only
8. One common crop grown in organic gardening is:  
   A) Plastic plants  
   B) Cabbage  
   C) Artificial grass  
   D) Cement blocks
9. The best way to prepare a storage structure before storing crop produce is:  
   A) Fumigating and cleaning  
   B) Leaving it open for pests to enter  
   C) Spraying harmful chemicals  
   D) Placing food directly on the ground
10. A product made from flour mixtures is:  
    A) Sandpaper  
    B) Chapati  
    C) Fuel  
    D) Engine oil
11. Soil erosion is mainly caused by:  
    A) Planting trees  
    B) Deforestation and overgrazing  
    C) Adding manure  
    D) Mulching
12. Which of the following is a soil conservation measure?  
    A) Burning forests  
    B) Planting cover crops  
    C) Removing topsoil  
    D) Overgrazing
13. One method of water harvesting is:  
    A) Digging shallow holes  
    B) Constructing water tanks  
    C) Burning waste  
    D) Cutting down trees
14. An important structure used for water harvesting is:  
    A) Storage dam  
    B) Plastic bag  
    C) Electric pole  
    D) Fence
15. Kitchen gardening provides:  
    A) Fresh vegetables  
    B) More pollution  
    C) High food costs  
    D) Less nutritious food
16. A common type of kitchen garden is:  
    A) Hanging garden  
    B) Concrete block  
    C) Underground tank  
    D) Roadside garden
17. One major crop pest is:  
    A) Antelope  
    B) Caterpillar  
    C) Giraffe  
    D) Elephant
18. A crop disease caused by fungi is:  
    A) Blight  
    B) Typhoid  
    C) Cholera  
    D) Malaria
19. Good quality eggs should have:  
    A) Clean, smooth shells  
    B) Cracked shells  
    C) Bad smell  
    D) Greenish yolk
20. The best way to preserve milk is:  
    a) Boiling and refrigerating  
    b) Keeping in open sunlight  
    c) Mixing with water  
    d) Leaving it in warm conditions
21. One method of cooking food is:  
    A) Roasting  
    B) Freezing  
    C) Washing  
    D) Soaking
22. A balanced meal contains:  
    A) Only carbohydrates  
    B) A mixture of proteins, carbohydrates, and vitamins  
    C) Only fats and oils  
    D) Only one type of food
23. The best way to clean the kitchen is:  
    A) Sweeping and mopping regularly  
    B) Leaving food particles on the floor  
    C) Piling up dirty utensils  
    D) Spreading waste on the floor
24. A common sewing skill is:  
    A) Stitching fabric  
    B) Burning fabric  
    C) Tearing clothes  
    D) Leaving fabric unfinished
25. A key practice in adding value to crop produce is:  
    A) Processing and packaging  
    B) Burning crops  
    C) Leaving crops in the field  
    D) Selling before harvesting
26. One major cause of soil pollution is:  
    A) Dumping plastic waste in farms  
    B) Using organic fertilizers  
    C) Practicing crop rotation  
    D) Planting more trees
27. A water retention structure in farming is:  
    A) Farm pond  
    B) Open road  
    C) Empty basket  
    D) Brick wall
28. Growing trees helps in:  
    A) Improving soil fertility  
    B) Destroying biodiversity  
    C) Increasing erosion  
    D) Increasing air pollution
29. The best way to prepare planting sites is:  
    A) Clearing and leveling  
    B) Leaving it rocky  
    C) Removing soil  
    D) Placing stones
30. The best way to establish crops is:  
    A) Planting at the right depth  
    B) Throwing seeds randomly  
    C) Keeping soil dry  
    D) Ignoring weeds

**SECTION B:**

1. Explain two ways of conserving resources in farming.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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4. Give three methods of conserving animal feed.
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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8. State two ways of conserving leftover foods and their importance.
9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. Explain two components of integrated farming and their role in conservation.
12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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14. List three practices of organic gardening.
15. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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17. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
18. Describe two ways of preparing a storage structure before storing crop produce.
19. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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21. Name two products made from flour mixtures.
22. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
23. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
24. Explain the importance of soil conservation.
25. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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28. State two types of water harvesting methods and the structures used.
29. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
30. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
31. List three benefits of kitchen gardening.
32. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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35. Give two common crop pests and how they can be controlled.
36. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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38. Explain two ways of managing crop diseases.
39. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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41. Describe two qualities of a good egg.
42. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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44. State two ways of preserving food nutrients while cooking.
45. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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47. Explain how homemade soap can be made using natural materials.
48. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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**MARKING SCHEME**

1. **C)** Agroforestry
2. **A)** Storing in airtight containers
3. **C)** Drying it completely before storage
4. **C)** Refrigeration and drying
5. **B)** Reducing foodborne diseases
6. **B)** Combining crop and livestock farming
7. **B)** Conservation of soil fertility
8. **B)** Cabbage
9. **A)** Fumigating and cleaning
10. **B)** Chapati
11. **B)** Deforestation and overgrazing
12. **B)** Planting cover crops
13. **B)** Constructing water tanks
14. **A)** Storage dam
15. **A)** Fresh vegetables
16. **A)** Hanging garden
17. **B)** Caterpillar
18. **A)** Blight
19. **A)** Clean, smooth shells
20. **A)** Boiling and refrigerating
21. **A)** Roasting
22. **B)** A mixture of proteins, carbohydrates, and vitamins
23. **A)** Sweeping and mopping regularly
24. **A)** Stitching fabric
25. **A)** Processing and packaging
26. **A)** Dumping plastic waste in farms
27. **A)** Farm pond
28. **A)** Improving soil fertility
29. **A)** Clearing and leveling
30. **A)** Planting at the right depth

**31. Two ways of conserving resources in farming**

* Practicing crop rotation to maintain soil fertility.
* Using organic manure instead of synthetic fertilizers.

**32. Three methods of conserving animal feed**

* Drying and storing hay properly.
* Making silage for long-term storage.
* Keeping feeds in airtight, dry containers to prevent mold.

**33. Two ways of conserving leftover foods and their importance**

* **Refrigeration** – prevents spoilage and food poisoning.
* **Drying or preserving** – extends shelf life and reduces waste.

**34. Two components of integrated farming and their role in conservation**

* **Agroforestry** – Trees prevent soil erosion and improve soil fertility.
* **Fish farming with crop farming** – Fish waste provides nutrients for plants.

**35. Three practices of organic gardening**

* Using compost manure instead of chemical fertilizers.
* Practicing crop rotation to prevent pests and diseases.
* Growing companion plants to repel pests naturally.

**36. Two ways of preparing a storage structure before storing crop produce**

* Cleaning and fumigating to remove pests.
* Ensuring proper ventilation to prevent mold growth.

**37. Two products made from flour mixtures**

* Bread
* Pancakes

**38. Importance of soil conservation**

* Prevents soil erosion.
* Maintains soil fertility for sustainable farming.

**39. Two types of water harvesting methods and their structures**

* **Roof water harvesting** – Uses gutters and storage tanks.
* **Surface runoff harvesting** – Uses farm ponds and dams.

**40. Three benefits of kitchen gardening**

* Provides fresh and healthy vegetables.
* Saves money by reducing food expenses.
* Promotes environmental conservation.

**41. Two common crop pests and how to control them**

* **Aphids** – Use neem oil or insecticidal soap.
* **Caterpillars** – Use biological control like birds or hand-picking.

**42. Two ways of managing crop diseases**

* Practicing crop rotation.
* Using disease-resistant crop varieties.

**43. Two qualities of a good egg**

* Clean, smooth, and intact shell.
* Clear and firm egg white when broken.

**44. Two ways of preserving food nutrients while cooking**

* Steaming instead of boiling to retain vitamins.
* Avoiding overcooking vegetables.

**45. How homemade soap can be made using natural materials**

* Mix **wood ash** with **water** to make lye.
* Heat lye with **animal fat or vegetable oil** until it thickens.
* Let the mixture cool and harden into soap.