**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. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Give three methods of conserving animal feed.
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. State two ways of conserving leftover foods and their importance.
9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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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.