

KURASA PROBLEM SOLVERS LEAGUE

School Based Assessment Grade 8 Term 3 2025 Agriculture & Nutrition Time: 1 Hour 40 Minutes

Learner Name : _____

Workspace Code : _____

Instructions to the learner

1. Answer **all the questions**.
2. Do all the necessary rough work on the question paper.
3. Use an ordinary **HB pencil** to provide your answers on the answer sheet
4. Confirm that the answer sheet you have been provided with has the following:
 - a. **Your assessment number**
 - b. **Your name**
5. On the answer sheet, the correct answer is to be shown by **shading** the box in which the letter you have chosen is written.
6. Manage your time well.

For teacher's use only.

Learner's Score	
Total Score (70 Marks)	
Performance Level	

SECTION A 30 MARKS

- Grade 8 learners were having a discussion on causes of soil pollution. They mentioned different causes of soil pollution. Which one was NOT correct?
 - Plastic waste
 - Artificial fertilizers
 - Oil spillage.
 - Correct use of agricultural chemicals.
- During heavy rains, farmers are advised to conserve water. The following are water retention structures. Which one involves digging of trench-like structures in the farm to conserve surface runoff?
 - Water retention pits
 - Water retention ditches
 - Earth dams
 - Water ponds.
- The following are methods of conserving vitamins and minerals during cooking vegetables. Identify the odd one out?
 - Cover the vegetables while cooking
 - Use steaming method over boiling.
 - Use less water when boiling vegetables
 - Cut the vegetables into medium sizes
- John, wanted to practice agroforestry in his farm. The following are the qualities of a good agroforestry tree except?
 - Shallow rooted.
 - Light crown
 - Fast maturing
 - Shade leaves regularly
- A Grade 8 learner was asked to choose the most suitable planting material from the list provided. Which of the planted materials listed would the learner choose?
 - Stem cutting from the mature bottom part of the stem
 - Beans seeds with holes
 - Stem cutting from the middle part of the stem with a leaf and a bud
 - Wrinkled maize seeds.
- A fish monger was preparing fish at her home. The following are the steps she undertook except?
 - Scaling
 - De feathering
 - Gutting
 - Cleaning

7. Caleb researched on different ways of preserving milk at household level. Which one is not a method of preserving milk at household level?

- Home cooling
- Pasteurization
- Boiling
- Fermenting

8. There are different methods of conserving soil in the farm. Which method involves use of crop remains such as maize Stover's?

- Stone lines
- Strip cropping
- Trash lines
- Soil bunds

9. The diagram below shows a water harvesting and storage method.



What is the purpose of the polythene sheet or dam liners in the structure?

- To prevent moisture concentration
- To prevent soil erosion
- To suffocate destructive insects
- To reduce water loss through seepage.

10. Grade 8 learners discussed the following are roles of a kitchen and backyard garden in food production. Which one is not?

- Promote food insecurity.
- Produce fresh healthy food
- Save money
- Make food readily available.

11. A fold has two parts; the roofed part and unroofed part. The following are uses of the roofed part except?

- For shelter.
- For sleeping
- For feeding space
- For birds to scratch.

12. Young farmers club members have been faced by the challenge of pests attacking their vegetables in the school garden. The following are parts of a plant attacked by caterpillars except?

- Roots
- Leaves
- Stem
- Flowers

13. Earthing up is a common crop management practice. It is carried out due to the following reasons. Which one is not?

- A. Increase soil volume
- B. Tuber expansion in tuber crops
- C. To conserve soil moisture
- D. Prevent soil erosion.

14. learners at a certain school carried out crop management practices. Which one of the following is not a physical method of weed control in the farm?

- A. Tilling
- B. Use of herbicides
- C. Uprooting
- D. Slashing.

15. Instead of selling raw potatoes after harvesting, Mr. Mkulima decided to make crisps and sell them in the local market. This process is known as

- A. Slicing
- B. Frying
- C. Value addition
- D. Profit making.

16. When making a homemade soap, Mrs. Ojwang, adds disinfectant or glycerin to the soap. What is the purpose of the disinfectant or glycerin?

- A. Improve its appearance
- B. Destroy bacteria and moisturize the soap
- C. Harden the soap
- D. Improve its smell.

17. A business person made the following forms of soap at home. Which soaps are most convenient for hand washing?

- A. Bar soaps
- B. Cake soaps
- C. Liquid soaps
- D. Powder soaps

18. Ruth lives in an estate in town. She would like to grow her own vegetables but the land is not enough. Which suggestion would you give her?

- A. Stop eating vegetables completely
- B. Buy a large fridge to store vegetables
- C. Buy vegetables from upcountry and keep them in a basin full of water.
- D. Establish a framed suspended garden in her compound.

19. During a practical lesson, learners were asked by their teacher to knit various household items. Which among the choices couldn't they knit?

- A. purl
- B. gloves
- C. mats
- D. scarf

20. Maundu's tomatoes were attacked by pests. Which one is not a method of controlling pests?

- A. Handpicking
- B. Uprooting
- C. Applying wood ash
- D. Scaring them away.

21. Grade 8 learners were carrying out KNEC PROJECT. The process of removing the alimentary canal is known as?

- A. Scaling
- B. Singeing
- C. Gutting
- D. Cleaning.

22. a farmer realized that his crops were being attacked by pests. Which of the following is not a sign of a crop attacked by pests?

- A. Curled leaves
- B. Rotting
- C. Punctured leaves
- D. Cut- off seedlings.

23. Aura, a local bee keeper wants to process honey. Which one of the following tools and equipment is not essential for his work?

- A. Muslin cloth
- B. Knife
- C. Wooden spoon
- D. metallic or glass bottle

24. During a class discussion, learners listed factors to consider when preparing a balanced meal at home. Which one is not?

- A. Occasion
- B. Age
- C. Time available
- D. Health status

25. Musau spreads dry foliar on his farm in order to conserve moisture and suppress weeds. This activity is known as

- A. Cover cropping
- B. Agroforestry
- C. Shading
- D. Mulching

26. The diagram below shows a pest that has been attacking Kinyua's vegetables.



Identify the pest

- A. Caterpillar
- B. Cutworm
- C. Millipede
- D. Aphid

27. The following are planting materials that a farmer can use in his farm. Which one does not require a coarse tilth to plant?

- A. Cutting
- B. Maize seeds
- C. Tubers
- D. Suckers.

28. Which one of the following statements is not true about grilling as a cooking method?

- A. It is a dry method of cooking.
- B. Chicken and beef can be grilled.
- C. It is commonly used during festivals
- D. It is a slow method of cooking

29. After sowing the seeds in the field, some seeds did not germinate. The activity of filling of the gaps is known as

- A. Thinning
- B. Earthing up
- C. Hardening off
- D. Gapping

30. A farmers used underground water tanks to collect rain water. Water collected from roofs of buildings is directed from the roof to the storage structure by devices known as

- A. Diversion plates
- B. Gutters
- C. Flow channels
- D. Wall plates.

SECTION B 40 MARKS.

Answer ALL questions in this section in the spaces provided.

31. While discussing different food production processes, a teacher asked his learners to:

a). Define the term kitchen gardening (1 mk)

b). List any TWO reasons why kitchen gardening is important. (2Mks)

32. Grade Eight learners of Pamba School were learning about soil conservation measures in Agriculture.

a). How did they define soil conservation measures? (2mks)

b). State TWO reasons for soil conservation (2mks)

33. State TWO methods of soil conservation in Agricultural environment (2mks)

34. Mr. Mkulima intends to start poultry rearing as part of his farm enterprise.

a). Draw a poultry fold he would use and clearly indicate the run and house in the structure. (3mks)

b). Explain any TWO routine management practices carried out in rearing poultry in a fold. (2mks)

35. During a project on construction of a farm model, Grade 8 learners were asked by their teacher to list down the materials needed.

a). Which TWO materials did they list? (2mks)

b). State TWO importance of a farm layout. (2mks)

36. A resource person from Agricultural Society of Kenya (ASK) guided learners through ways of storing harvested water for domestic use.

a). Discuss TWO ways of storing harvested water for domestic use (2mks)

b). Name any TWO suitable containers for storing water for domestic use. (2mks)

37. Gift visited her aunt in the upcountry. On arrival, she found her aunt had removed all the furniture from the house ready to clean the house. Which is the most likely type of cleaning was the aunt planning to do? (1 mk)

38. An Agriculture teacher entered a Grade 8 class to teach about reasons for cleaning kitchen surfaces. Highlight TWO reasons he was likely to mention in the course of the lesson. (2mks)

39. Grade 7 learners were taken to the school farm to observe different crops. While there, the teacher asked them to:

a). Identify TWO signs and symptoms of crops attacked by pests (2mks)

b). Observe and identify TWO signs and symptoms of crops attacked by diseases. (2mks)

C). List any TWO control measures against crop pests and diseases. (2mks)

40. Grade 8 learners visited a cloth construction industry. They met tailors joining fabrics together. Identify TWO types of seams they would use to join two pieces of fabrics together. (2mks)

41. A farmer rearing a herd of cattle in the farm was planning to construct innovative animal waterers. Mention TWO materials they would improvise into waterers. (2mks)

42. Amina was having a birthday party. Her mother decided to to prepare a meal for the guests.

a). Write a sample of a balanced diet meal that you would advise her to prepare. (1mk)

b). Identify any TWO suitable serving methods she would use to serve the food to the guests. (2mks)

43. Grade 8 learners were asked to knit a few household items. Mention two household items they were likely to knit. (2mks)
