

Student name: \_\_\_\_\_

**MOLERE ZONAL EXAMINATION BOARD**  
**2023 - 2024 END OF TERM ONE EXAMINATIONS**  
**PRIMARY SCIENCE**

**STANDARD 8**

**SECTION A: MULTIPLE CHOICE (40 Marks)**

**AGRICULTURE (20 Marks)**

1. Which of the following crops can be propagated by budding?  
A. Cassava                      C. Banana  
B. Oranges                      D. Potatoes
2. Why should a farm-cart be fitted with reflectors?  
A. To avoid accident.  
B. To attract customers.  
C. To scare away thieves.  
D. To provide light at night.
3. Which term refers to the falling of water from the atmosphere to the earth?  
A. Surface run off  
B. Percolation  
C. Precipitation  
D. Condensation

Figure 1 is a diagram showing one of the types of vegetables. Use it to answer question 4



4. To which group of vegetables does one in figure 1 belong?

- A. Fruit vegetable      C. Leaf  
B. Legume                      D. Root
5. The use of hand folk on a farm is for  
A. Tilling land  
B. Chopping firewood.  
C. Cutting down trees.  
D. Loosening soil.
6. Which of the following nutrients is required by plants in large quantities?  
A. Calcium                      C. Chlorine  
B. Nitrogen                      D. Copper
7. Why should seedlings be transplanted late in the afternoon?  
A. To avoid lodging.  
B. To avoid wilting.  
C. To reduce labour.  
D. To control pest and diseases.

A lot of farmers in Kang'oma village are making losses in their farm business because their fruits and vegetables become rotten before reaching the market.

Use this information to answer questions 8 and 9.

8. Identify the problem of agricultural marketing the farmers are facing.  
A. Bulkiness of farm produce.  
B. Seasonality of production.  
C. High transport costs.

Student name: \_\_\_\_\_

- D. Perishability of produce.
9. Which of the following ways can best solve the problem?
- A. Processing the farm produce.
  - B. Selling at the nearest market.
  - C. Using special transport facilities.
  - D. Storing produce in time of plenty.
10. Which of the following is a way of improving quality of water?
- A. Putting wastes in rivers.
  - B. Cutting down of trees.
  - C. Adding chlorine.
  - D. Construction of dams.
11. The layer of soil which has the most living organisms is
- A. Top soil
  - B. Parent rock
  - C. Sub soil
  - D. Weathered rock
12. Which of the following ways can improve soil fertility in the garden?
- A. Making contour bands.
  - B. Making box ridges.
  - C. Making ridges.
  - D. Adding compost manure
13. Which of the following parts of a plough sets depth of ploughing?
- A. Hitch
  - B. Hake
  - C. Share
  - D. Handle
14. What is the best time to start keeping farm records?
- A. Soon after planting crops.
  - B. Soon after selling crops.
  - C. When farm inputs are bought.
  - D. When farming activities have started.
15. When is hardening off in tree nurseries recommended?

- A. Before transplanting
- B. Late in the afternoon
- C. Early in the morning
- D. After germination
16. Which of the following is not an importance of water to livestock?
- A. For drinking
  - B. For fishing
  - C. Germination
  - D. Dip tanks
17. Which of the following are examples of poultry?
- A. Chicken and goat
  - B. Chicken and pigeon
  - C. Pigeon and dogs
  - D. Pigeon and cow
18. Which of the following is a sign of lack of potassium in crops?
- A. Purple leaves
  - B. Yellow leaves
  - C. Stunted growth
  - D. Weak stems

Figure 2 shows one of the weeds in maize garden. Use it to answer question 19 and 20.



19. Identify the weed.
- A. Black jack
  - B. Star grass
  - C. Witch weed
  - D. Commeline
20. Which of the following practices can best control the weed in figure 2?
- A. Early planting
  - C. Inter cropping

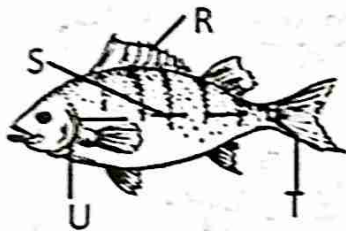
Student name: \_\_\_\_\_

- B. Crop rotation    D. Mixed cropping

**SCIENCE (20 Marks)**

21. Which of the following steps take place in the implementation stage of a scientific investigation?  
A. Testing a hypothesis  
B. Analyzing data  
C. Knowing the problem  
D. Writing a report
22. What name is given to the union of a sperm and an egg?  
A. Reproduction    C. Ovulation  
B. Fertilization    D. Pregnancy

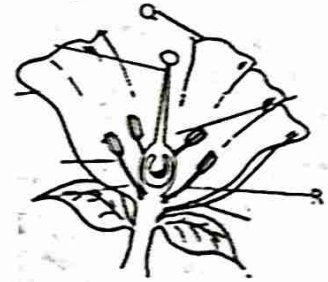
The figure 3 below is a diagram of a fish. Use it to answer question 23 and 24.



23. What name is given to the part marked R?  
A. Pelvic fin    C. Anal fin  
B. Pectoral fin    D. Dorsal fin
24. Which part is used for detecting sound?  
A. R    C. T  
B. U    D. S
25. Which of the following seeds are dispersed by water?  
A. Coconut seeds  
B. Black jack seeds  
C. Beans seeds  
D. Cotton seeds

26. Which sense organ is responsible for detecting sweat?  
A. Ear    C. Tongue  
B. Nose    D. Skin

Figure 4 is a diagram of a flower. Use it to answer questions 27 and 28.



27. The part labelled R is called  
A. Anther    C. Filament  
B. Sepal    D. Petal
28. What is the function of the part labelled Q?  
A. Holding the flower to the whole plant.  
B. Attracting pollination agents to the flower.  
C. Protecting the developing flower.  
D. Producing pollen grains.
29. Which part of the body stores excess food?  
A. Stomach    C. Intestines  
B. Kidney    D. Liver
30. What is the function of the white blood cells in human body?  
A. Transport oxygen  
B. Dissolving food  
C. Fighting against germs  
D. Clotting of blood
31. What name is given to people who are recovering from illness?  
A. Convalescents    C. Invalids  
B. Patients    D. Vegetarians

Student name: \_\_\_\_\_

- 32. Which of the following is the effects of poor nutrition on an individual?  
A. Low nutritional development  
B. Low community productivity  
C. Strain on nutritional economy.  
D. Poor mental capacity
- 33. Which method of cooking food uses steam rising from hot water?  
A. Frying                      C. Steaming  
B. Roasting                    D. Boiling
- 34. Why is the inner surface of a vacuum flask painted silver?  
A. To reduce loss of heat through radiation.  
B. To beautify the flask.  
C. To emit more heat.  
D. To reduce loss of heat through conduction
- 35. Which forces causes a ball that is thrown upward to return to the ground?  
A. Electrostatic force  
B. Frictional force  
C. Electric force  
D. Gravitational force
- 36. Which of the following problems of the human breathing system may be

- caused by covering one's face with plastic bag?  
A. Asthma                      C. Smothering  
B. Tuberculosis              D. Choking
- 37. Lack of vitamin A in the diet can cause  
A. Night blindness      C. Beriberi  
B. Diarrhoea                D. Scurvy
- 38. Which of the following is not a composition of blood?  
A. Platelets                C. Plasma  
B. Red blood cells      D. Veins
- 39. The heart pumps blood to the lungs through  
A. Venacava  
B. Pulmonary artery  
C. Aorta  
D. Pulmonary veins
- 40. Why do invalids require little carbohydrates and fats in their diet?  
A. They are fat people  
B. They use less energy  
C. They have damaged tissues  
D. They have weak bodies

**SECTION B (60 Marks)**  
**AGRICULTURE**

- 41. a. Define the term farming calendar. (2 marks)  
\_\_\_\_\_
- b. Give any **two** reasons why farming calendar is important? (2 marks)  
\_\_\_\_\_
- c. Why is it important to improve soil fertility? Give **two** reasons. (4 marks)  
\_\_\_\_\_  
\_\_\_\_\_

Student name: \_\_\_\_\_

d. Explain the difference between food crops and cash crops. (2 marks)

\_\_\_\_\_

42.a. List **two** characteristics of subsistence farming. (2 marks)

\_\_\_\_\_

b. State any **two** ways of advertising agricultural products. (2 marks)

\_\_\_\_\_

c. Name any **two** sources of water for irrigation. (2 marks)

\_\_\_\_\_

43.a. Explain **two** ways of maintaining a treadle pump. (4 marks)

\_\_\_\_\_

b. Describe **two** ways of preventing green spider mites in cassava. (4 marks)

\_\_\_\_\_

44.a. Mention **two** importance of packaging agricultural products. (2 marks)

\_\_\_\_\_

b. Explain **two** ways of conserving water. (4 marks)

\_\_\_\_\_

### SCIENCE

45.a. What name is given to the wall of muscles between the chest and stomach which helps to control breathing? (1 mark)

\_\_\_\_\_

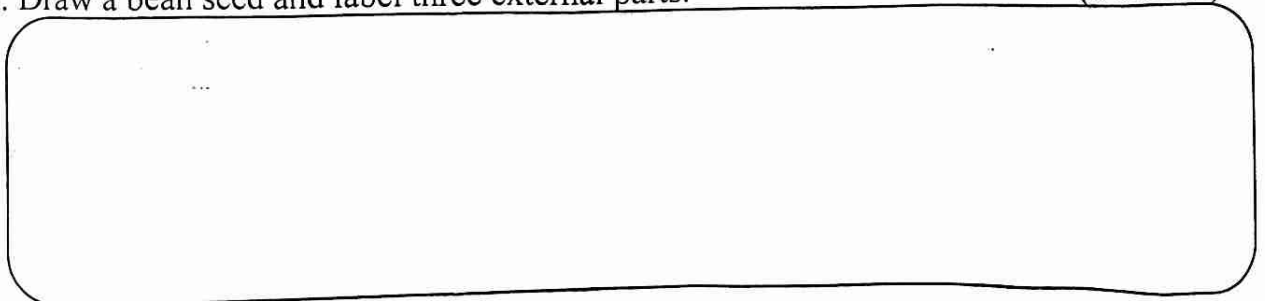
b. Mention any **two** types of stems. (2 marks)

\_\_\_\_\_

c. What does the doctor use to hear the beating of a heart of a baby? (1 mark)

\_\_\_\_\_

46.a. Draw a bean seed and label three external parts. (3 marks)



Student name: \_\_\_\_\_

b. Mention the function of micropyle.

(1 mark)

c. State the **two** types of metamorphosis.

(2 marks)

47.a. Give any **two** reasons why people may become vegetarians?

(2 marks)

b. Mention any **two** signs and symptoms of round worms.

(2 marks)

c. Define the term skeleton.

(1 mark)

48.a. Plan a simple breakfast for strict vegetarians.

(3 marks)

b. Mention any **one** way of improving the quality of a product.

(1 mark)

c. Define the term food processing.

(2 marks)

49.a. State any **two** agents of seed dispersal.

(2 marks)

b. Name the sense organ that is used for

i. whistling: \_\_\_\_\_ (1 mark)

ii. tasting : \_\_\_\_\_ (1 mark)

c. Give the function of the following:

i. heart: \_\_\_\_\_ (1 mark)

ii. red blood cells: \_\_\_\_\_ (1 mark)

iii. veins: \_\_\_\_\_ (1 mark)

d. Give any **two** reasons for processing food.

(2 marks)

**END OF QUESTIONS**