



**NAMISI ZONE EXAMINATIONS BOARD**  
**2024 STANDARD 8 MOCK EXAMINATIONS**

**PRIMARY SCIENCES**

(100 marks)

**Subject Number: P163**

**Date:** \_\_\_\_\_

**Time allowed: 2 hours**  
**(8:00 am – 10:00 am)**

**Candidate name:** \_\_\_\_\_

(Surname first)

**Name of School:** \_\_\_\_\_

**Instructions**

1. **This paper contains 12 printed pages.**  
**Please check**
2. Write your name on each page of this paper
3. This paper contains **two** sections **A** and **B**.
4. Answer all questions in section **A** and **B**. In section **A** encircle the letter **A, B, C** or **D** representing the correct answer. In section **B** write your answers in the spaces provided after each question
5. In the table provided on the left side of this page, **tick** against the question you have answered.
6. Follow instructions for each section carefully

Question Number	Tick questions 41-51 if answered	Do not write in these columns	
1-40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			

## Section A (40 marks)

Encircle a letter of your choice representing the right answer

**AGRICULTURE**

1. Which of the following can prevent scary leg mite in chickens?
  - A. Cleanliness of the khola
  - B. Collecting egg in time
  - C. Raising young birds away from older ones
  - D. Dusting pesticides onto feather of chicken
2. Which of the following is a sign of pneumonia in goats?
  - A. Dullness      C. High fever
  - B. Lameness    D. Coughing
3. Which of the following is a product formed from mulberries?
  - A. Soap            C. Jam
  - B. Butter         D. Medicine
4. Quarantine means: \_\_\_\_\_.
  - A. Restricting movement of sick animals
  - B. Killing disease-causing organism
  - C. Feeding animals in a house
  - D. Keeping animals which are resistant to diseases
5. Which of the following of the following crops belong to silviculture?
  - A. Rape            C. Blue gum
  - B. Pumpkins      D. Marigold
6. Which of the following is a way of tending flowers?
  - A. Drying         C. Harvesting
  - B. Trimming     D. Selling
7. To which class of vegetables do beans belong?
  - A. Root            C. Fruit
  - B. Legume         D. Leaf
8. Which of the following is the effect of siltation in the garden?
  - A. Blocks irrigation pipes
  - B. Increase evaporation
  - C. Reduce diseases
  - D. Pollute top soil
9. Which of the following activities is a method of weeding?
  - A. Thinning      C. Banking
  - B. Supplying    D. Mulching
10. Which of the following is a characteristics of a good cock for breeding?
  - A. Blunt beak
  - B. Strong body
  - C. Wide moist vent
  - D. Roomy body

2024

Page 3 of 12

P163

11. Why is sun drying of fish important to a farmer?

- A. To sell the fish quickly
- B. To cook the fish easily
- C. To share the fish easily
- D. To improve quality of the fish

12. Which of the following is a characteristics of indigenous trees?

- A. Grow fast
- B. Withstand drought
- C. Have soft wood
- D. Big in size

Table 1 shows a financial record of poultry production. Use it to answer questions 13 and 14

**Table 1**

INCOME			EXPENDITURE		
Date	Details	Amount	Date	Details	Amount
08/11/23	Sold 600 eggs at K120 each	K72,000	12/11/23	Bought 2 drinkers at K10,000 each	K20,000
08/11/23	Sold 60 chickens at K4,000 each	K240,000	13/11/23	Bought 14 bags of feed at K60,000 each	K840,000

13. What were the total sales?

- A. K860, 000
- B. K4, 120
- C. K312,000
- D. K70,000

14. The farmer's loss was \_\_\_\_\_.

- A. K65, 880
- B. K20, 000
- C. K548,000
- D. K37,000

15. A system of agroforestry in which trees that are used as feed for livestock alternated with arable crops is called: \_\_\_\_\_.

- A. Live fence
- B. Improved fallow
- C. Folder banks
- D. Alley cropping

16. Which of the following is not a common weed in flower garden?

- A. Galisoga
- B. Black jack
- C. Star grass
- D. Witch weed

17. "Selection" as a method of improving local goats means: \_\_\_\_\_.

- A. Mating related local goats with undesired characteristic
- B. Breeding of desirable characteristics of local goats of the same breed
- C. Mating of local goats with other cross breeds
- D. Cutting goats with undesirable characteristics

2024

Page 4 of 12

P16

Figure 1 is a diagram of flower pest. Use it to answer question 18 and 19



Figure 1

18. What is the name of the pest?

- A. Mealy bug
- B. Spider
- C. White fly
- D. Slug

19. Which of the following is a product formed from mulberries?

- A. Soap
- B. Butter
- C. Jam
- D. Medicine

20. How does the pest cause damage to the flowers?

- A. cuts stem
- B. suck juice
- C. eats stem
- D. eats roots

## SCIENCE AND TECHNOLOGY

21. Which of the following technologies could be used to preserve fruits?

- A. Baking
- B. Salting
- C. Smoking
- D. Canning

22. Name the technology which is used to make distance object look bigger.

- A. Mirror
- B. Microscope
- C. Periscope
- D. Telescope

23. Swelling of the body due to the accumulation of water is a sign of:

\_\_\_\_\_.

- A. Marasmus
- B. Kwashiorkor
- C. Malaria

D. Scurvy

24. Why should meals for manual workers contain a lot of energy giving nutrients?

- A. to prevent them from catching diseases
- B. because they do heavy work
- C. because they do heavy work
- D. to make them fat

25. Which of the following method of cooking reduces loss of food nutrients?

- A. Baking
- B. Steaming
- C. Frying
- D. Boiling

26. Which of the following is the meaning of “disseminating information”?

- A. Spreading information
- B. Keeping information
- C. Holding information
- D. Hiding information

27. Which of the following living things reproduce through binary fusion?

- A. Worms      C. Amoeba
- B. Anthropods      D. Molluscs

28. Which of the following is an emotional change that takes place in boys as they grow up?

- A. Experiences wet dreams
- B. Develop sexual feelings
- C. Develop deep voice
- D. Produce sperm

Figure 2 below is a diagram showing changes of state of matter. Use it to answer questions 29 and 30.



Figure 2

29. What process is representing by the letter P?

- A. Melting
- B. Freezing
- C. Condensation
- D. Evaporation

30. What could the change of the state of matter labelled Y be useful to human being?

- A. Drying clothes
- B. Brewing beer
- C. Forming rain
- D. Preserving food

Figure 3 is a diagram showing one of the types of levers. Use it to answer questions 31 and 32.



Figure 3

31. The type of lever is: \_\_\_\_\_.

- A. First order lever
- B. Second order lever
- C. Third order lever
- D. Forth order lever

32. Which part represents the load?

- A. W                                      C. Z
- B. X                                      D. Y

33. Which of the following materials is a mineral stain?

- A. Tar                                      C. Soot
- B. Wax                                      D. Ink

34. The advantage of using information and communication technology in our everyday life is that it: \_\_\_\_\_.

- A. increases demand for unskilled labour
- B. increases demand for skilled labour
- C. decreases demand for unskilled labour
- D. decreases demand for skilled labour

35. When a bottle of perfume is brought into a room and opened, the perfume is smelt at any point in the room.

This shows that gases:

\_\_\_\_\_.

- A. have small particles
- B. increase in volume
- C. flow in all direction
- D. cannot be compressed

36. Caustic soda is a chemical used when making \_\_\_\_\_.

- A. Floor polish
- B. Crayons
- C. Cleaning powder
- D. Soap

37. Which of the following is NOT a marketing technology?

- A. Newspaper C. Telephone
- B. Flour sieve D. Ox-cart

38. Which of the following can conduct electricity?

- A. Sugar solution
- B. Salt solution
- C. Milk
- D. Paraffin

Figure 4 is a diagram showing one of the methods of separating mixtures. Use it to answer the questions 39 and 40.

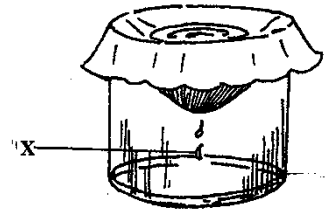


Figure 4

39. Which of the following methods of separating mixtures is shown in the diagram?

- A. Solvent C. Filtration
- B. Decanting D. Sieving

40. What name is given to the liquid labelled X?

- A. Solvent C. Sediment
- B. Filtrate D. Distillate

Section B (60 marks)

**AGRICULTURE**

41.(a). Give any **two** disadvantages of sky loo toilet.

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(2 marks)

(b). Mention any **two** risks associated with farm business and explain how each risk reduces a farmer's profit.

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(4 marks)

42.(a). Describe how grinding of millet is done on a quern.

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(2 marks)

(b). Explain any **two** beneficial effects of micro-organisms in the production of crops.

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(4 marks)

(c). State any **one** improved variety of cassava.

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(1 mark)

43. Figure 5 is a diagram of farm machinery

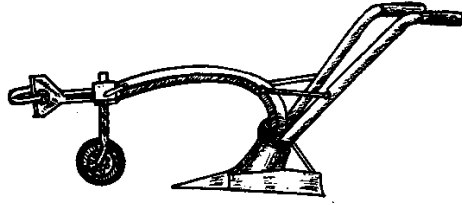


Figure 5

(a) Identify the farm machinery.

\_\_\_\_\_

(1 mark)

(b) Mention any **two** ways of caring for the farm machinery.

\_\_\_\_\_

\_\_\_\_\_

(2 marks)

44.(a) Using a pencil, draw and label at least two parts of a bean seed.

(3 marks)

(b) Name any **three** causes of soil erosion.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(3 marks)



- (c) Explain any **one** way in which soil erosion can lead to low agricultural production.

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(2 marks)

45. A learner wanted to find out if soil contains air. The learner had the following materials for conducting the experiment: clear plastic bottle, jag and soil sample.

- (a) Name **one** material the learner forgot to include on the list of materials.

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(1 mark)

- (b) Why did the learner use a clear plastic bottle?

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(1 mark)

- (c) What would be the evidence to show that soil contains air?

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(2 marks)

- (d) Mention **two** examples of exotic fruits.

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(2 marks)

**SCIENCE AND TECHNOLOGY**

- 46.(a) What is the different between ‘complete’ and ‘incomplete’ metamorphosis.

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(2 marks)

- (b) Construct a food chain for the following living things: Hawk, Grasshopper, Grass and Frog.

(4 marks)

- 47.(a) Figure 6 is a diagram of the human ear. Use it to answer questions that follow.

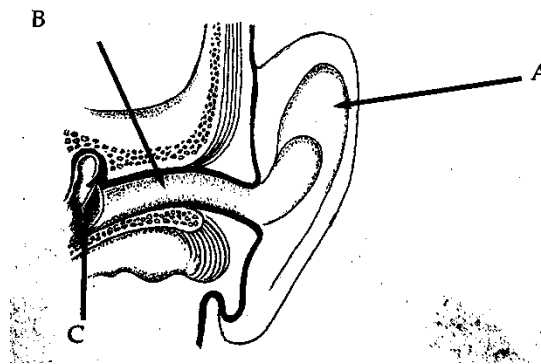


Figure 6

- i. Name the part labelled:

B: \_\_\_\_\_ (1 mark)

C: \_\_\_\_\_ (1 mark)

- ii. What is the function of the part labelled A.

\_\_\_\_\_  
(1 mark)

- (b) State any **two** ways of caring for the ear.

\_\_\_\_\_  
\_\_\_\_\_

(2 marks)

- (c) Write down the **two** ways of classifying animals.

\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

48.(a) Draw an electric circuit with two cells, a switch and two bulbs.

(4 marks)

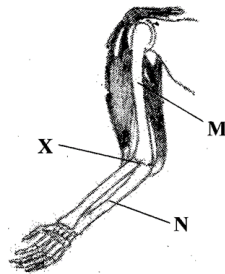
(b) Define bleach in laundry.

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(1 mark)

49. (a) **Figure 7** is a diagram showing a human arm. Use it to answer the questions that follow.



**Figure 7**

i. Name the bone joint labelled **X**.

\_\_\_\_\_ (1 mark)

ii. Name the tissue that join bones **M** and **N**.

\_\_\_\_\_ (1 mark)

(b) Explain how the arm bend.

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(2 marks)

(c) Define bleeding.

\_\_\_\_\_  
\_\_\_\_\_  
(1 mark)

50. Figure 8 is a diagram a digestive system. Use it to answer the questions that follows

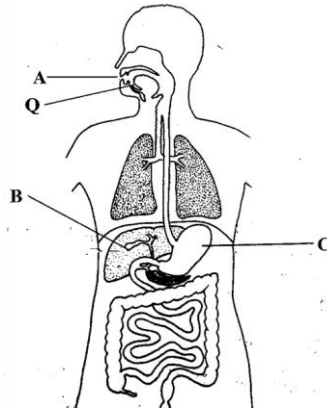


Figure 8

(a) Name the parts labelled A and B.

A: \_\_\_\_\_ (1 mark)

B: \_\_\_\_\_ (1 mark)

(b) What is the function of the part labelled C?

\_\_\_\_\_ (1 mark)

(c) What would happen if food particles entered part marked Q.

\_\_\_\_\_ (1 mark)

51.(a) List **one** blood cell that carry blood to the heart.

\_\_\_\_\_ (1 mark)

(b) Give a reason why blood that comes from different parts of the body is dark red in colour.

\_\_\_\_\_  
\_\_\_\_\_  
(2 marks)

**END OF QUESTION PAPER**

**NB: This paper contains 12 printed pages.**