

# KAMPALA MANDELA EXAMINATIONS

## P.7 CONTINUOUS ASSESSMENT TERM I 2024

### INTEGRATED SCIENCE

13

Time allowed: 2 hours 15 minutes

Name \_\_\_\_\_

School: \_\_\_\_\_

Stream: \_\_\_\_\_

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**

**READ THE FOLLOWING INSTRUCTIONS CAREFULLY.**

1. The paper is made up of two Sections A and B.
2. Section A has 40 questions (40marks).
3. Section B has 15 questions (60marks).
4. Answer ALL questions. All answers to both Sections A and B must written in the space provided.
5. All answers must be written in BLUE or BLACK ball pen or ink.
6. Only diagrams and graph work must be drawn in pencil.
7. Unnecessary crossing will lead to loss of marks.
8. Poor handwriting, which cannot be easily read, may lead to loss of marks.

FOR EXAMINER'S USE ONLY		
Qn No.	MARKS	SIGN
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

### SECTION A (40 MARKS)

1. Name the liquid component of the circulatory system.
2. Which method of finding volume is used on irregular shaped objects?
3. How is humus different from rock particles in terms of formation?

The diagram below is of a magnet. Study it to answer questions 4 and 5.



4. Draw lines of force of magnetism on the above magnet.
5. Give a reason why the magnet above cannot pick up a leaf.
6. Which element of P.H.C helps to check population growth in a given community?
7. Apart from ducks, mention another type of poultry with fully webbed feet.
8. Give the function of a fuse in an electric installation.
9. State one characteristic of wind pollinated flowers.
10. Why is a bat regarded as a mammal?
11. What determines the sinking or floating of an object in water?

Below is a house. Study it carefully to answer questions 12 and 13.

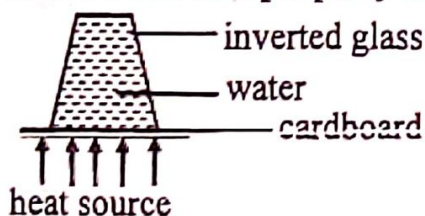


12. What is part P.
13. Why is part Q always put at a lower level of the house?



14. Mention one parasite controlled by drenching cattle.
15. State one role of tongue during food digestion.
16. In which one way does sun drying help in preserving fish?
17. Give one importance of a jelly that covers the eggs of
18. Which type of soil has the highest capillarity?
19. What is seed dispersal?
20. Name the non metallic conductor of electricity in a dry cell.
21. Mention any one example of fossil fuel.
22. By what process does heat travel through a vacuum?
23. Identify the sense organ that enables a P.7 child to detect a rotten egg on a tray of eggs.

The diagram below shows a property of air. Use it to answer questions 24 and 25.



24. Identify the property of air shown above.
25. Mention one activity carried out using the above property.
26. Name one vaccine administered to children at birth.
27. State any one cause of dehydration.
28. Give one way animals depend on plants.
29. State the role of a vent pipe on a VIP Latrine.

30. How is the movement of a knee joint different from of a shoulder.
31. Write down one practice that keeps kidneys in good working conditions.
32. Which type of accident requires a first aider to use splints?
33. How do humans get infected with tapeworms?
34. Name the longest and strongest bone in man.
35. Apart from hearing, give one other role of ears to people.
36. In the space below, draw a blood component that fights against diseases.
37. State one characteristic of arthropods.
38. Which component of air increases in soil when a farmer grows legumes in his garden?
39. What type of change is dissolving of salt in water?
40. Give one way of caring for bees.

### SECTION B (60 MARKS)

41.a) Name the vector that spreads the following diseases;

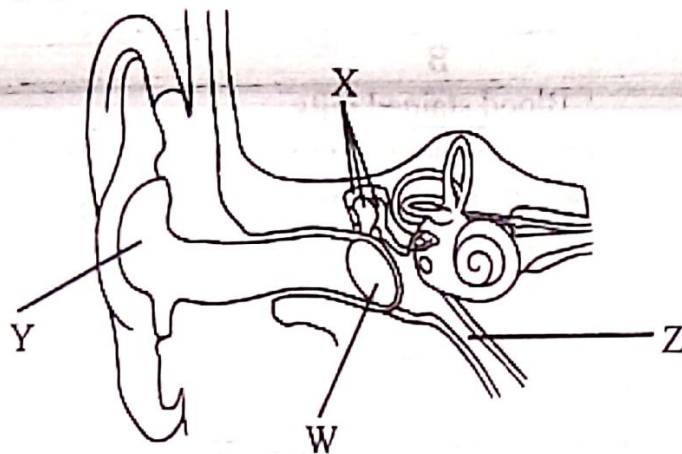
- i) cholera: \_\_\_\_\_
- ii) Rabies: \_\_\_\_\_

b) State one method used to control each of the diseases;

- i) cholera: \_\_\_\_\_
- ii) Rabies: \_\_\_\_\_



42. Study the human ear below and answer questions about it.



a) Which letter represents a part that is not used during the process of hearing?

b) State the role of part Y.

c) What happens to part W when sound waves land on it?

d) Give one way of keeping the ear in good working condition.

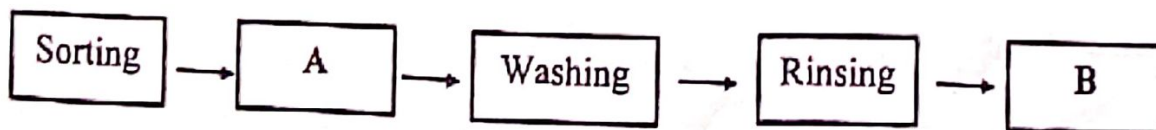
43. a) Mention two methods of controlling soil erosion on a hilly area.

i) \_\_\_\_\_ ii) \_\_\_\_\_

b) How does deforestation lead to soil erosion?

c) Give one effect of soil erosion to the soil.

44. The illustration below shows the stages involved in cleaning clothes. Use it to answer questions.



a) Name the stages A and B

A \_\_\_\_\_ B \_\_\_\_\_

b) Mention one factor considered when sorting clothes for washing.

c) Give one advantage of using rain water for washing over borehole water.

45. Match the following correctly.

A	B
Foot and mouth disease	Blood stained milk
Red water	Swollen hooves with smelly pus
Mastitis	Reddish urine due to liver damage
Foot rot	Blisters on hooves.

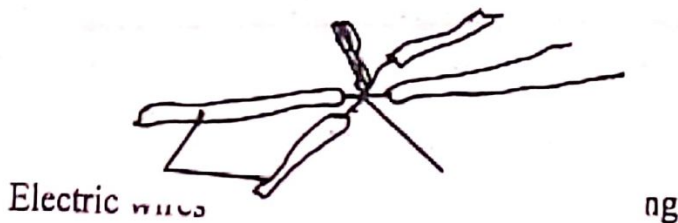
Foot and mouth disease :

Red water :

Mastitis:

Foot rot:

46. The diagram below is of an electrical problem. Study it to answer questions about it.



a) Name the electrical problem

b) State two dangers of the above electrical problem.

(i)

(ii)

c) Give any one safety precaution when handling electricity.

47. Given the animals below;

Lizard, Frogs, King fisher

a) Which of the above animals is warm blooded?

b) How is a lizard different from frogs in terms of reproduction?

c) Why do frogs lay many eggs during the spawning process?

d) To which group of vertebrates is a king fisher?



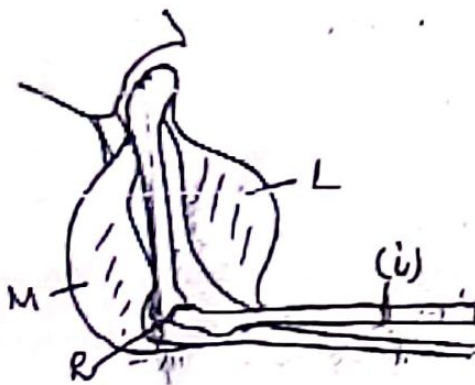
48. a) Which type of germination do most dicots undergo?

b) State the importance of water during germination of dicots.

d) What type of change is germination?

e) Mention one factor that may make a seed fail to germinate.

49. The diagram below is of a human arm. Study it to answer questions about it.



Name bone (i) and muscle M.

Bone (i) \_\_\_\_\_ Muscle M: \_\_\_\_\_

b) What kind of movement does joint R allow?

c) Give a reason why muscles L and M are grouped as antagonistic muscles.

50. Identify the component of air used in the following activities.

i) Extinguishing fire \_\_\_\_\_

ii) Filling electric bulbs \_\_\_\_\_

b) Mention two ways in people pollute air.

i) \_\_\_\_\_ ii) \_\_\_\_\_

51 a) How do most fungi reproduce?

b) Give two uses of fungi to people.

c) Mention any one dangerous fungus




52 Name two diseases spread through poor use of latrines.

i) \_\_\_\_\_ ii) \_\_\_\_\_

b) Why should latrines be constructed at least 30metres from a water source?

c) Give one way of keeping latrines clean.

53. Complete the table below correctly.

Electric component	Symbol	Function
Bulb		
		Breaks or completes the circuit
Dry cells		
Voltmeter		Measures voltage

54 a) Which weather instrument is used for;

i) showing wind strength?

ii) measuring rainfall received?

b) What name is given to the special structure in which delicate weather instruments are kept?

c) Why do farmers harvest their crops in a dry season?

55 a) Give two signs of malnutrition in children.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Write down the best way of protecting children against malnutrition.

c) Name the intestinal worm that leads to malnutrition.

END