



# KAMPALA PRIMARY EXAMINATION BOARD

## PRIMARY SIX SET I OF TERM III

### ASSESSMENT 2023

### INTERGRATED SCIENCE

DURATION: 2 HOURS 15 MINUTES

Name: .....

School: .....

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**  
**Read the following instructions carefully.**

1. This paper is made up of two sections:  
A and B
2. Answers to both sections must be written in the spaces provided in full sentences.
3. Section A has 40 questions (40 marks)
4. Section B has 15 questions (60 marks)
5. **Attempt ALL questions.** All answers to both Sections A and B **MUST** be written in the spaces provided
6. ALL answers must be written in blue or Black ball point or ink. Only diagrams And graphs work must be done in pencil
7. Unnecessary alternations of work will lead to loss of marks.

#### FOR EXAMINERS USE ONLY

QN.NO.	MARK	SIGN
1 - 10		
11- 20		
21- 30		
31- 40		
41- 43		
44- 49		
50- 52		
53- 55		
TOTAL		

### SECTION A

1. Name the plant system that grows above the ground.

2. State any one example of an egg laying mammal.

3. Mention any one type of cattle kept in Uganda.

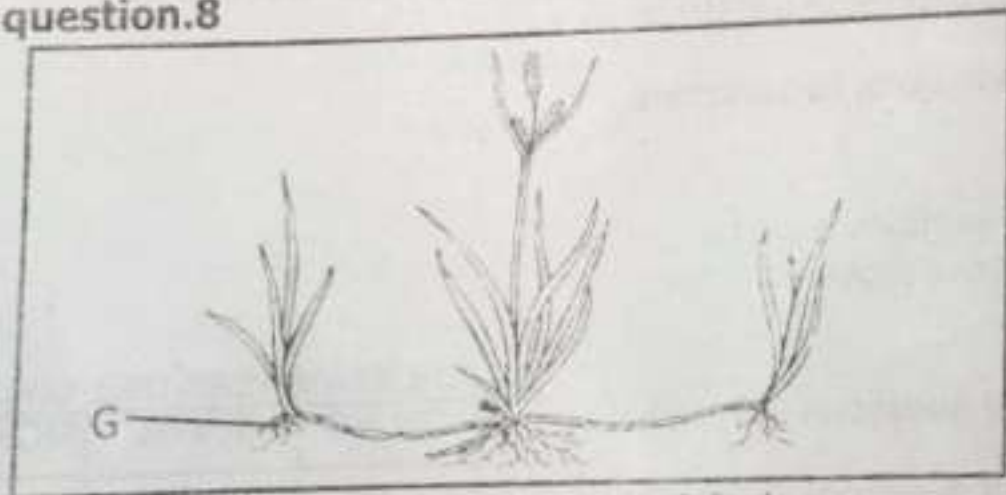
4. Which part of the ear balances air pressure on both sides of the eardrum?

5. Give any one cause of soil erosion.

6. Name any one thermometric liquid.

7. How is ORS important to a cholera patient?

The diagram below shows a creeping stem. Use it to answer question.8



8. Name the roots of the plant marked G above.

9. Why is melting of ice said to be a physical change?

10. State one characteristic of floating objects.

11. How do coniferous plants reproduce?

12. Name the substance that enables chemical digestion to take place.

13. Which type of blood enters the heart through vena cava?

14. Name the vector that spreads malaria.



15. Why is it not good to breathe through the mouth?
16. Write any one living component of soil.
17. What are saprophytes?
18. How is transpiration important to plants?
19. Under which group of fruits does a mango belong?
20. Identify any one vaccine given at birth.
21. Give a reason why an Ostrich is unable to fly?
22. Name one disease that affects cassava plants.
23. Mention any one element of weather.
24. How are reptiles similar to birds in terms of reproduction?
25. What general name is given to the three small bones in the ear?
26. State one factor that can lead to swarming in bees.
27. How is bile important in digestion?

**Below is a musical instrument. Use it to answer questions 28 and 29.**



28. How does it produce sound?

29. Give one way of reducing the pitch of a guitar
30. Why does clay soil retain water for a long time?
31. What main food value is present in honey?
32. How are echoes formed?
33. State one way of preserving mushrooms.
34. Give one difference between an artery and a vein in terms of structure.
35. Why is cow's milk not the best for a 2 week old baby?
36. In which one way can one prevent indigestion?
37. Name the immunisable disease which makes people lame.
38. Write one material used as litter in a poultry house.
39. State the gestation period of a sow.
40. Give the importance of latrine in a home.

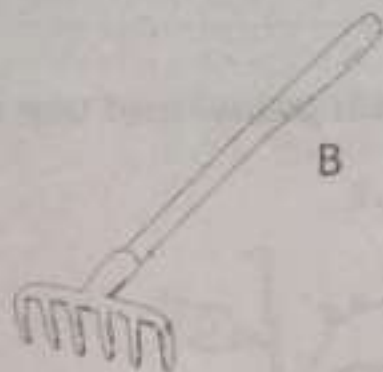
### **SECTION B**

- 41a) What is a wetland?
- b) Mention any two crops grown in wetlands.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- c) How does a puffer benefit from wetlands?
- 42a) Give the main characteristic that helps a black jack to be dispersed by animals.
- b) Write any one seed or fruit dispersed by;
- i) wind \_\_\_\_\_
- ii) water \_\_\_\_\_



c) Mention one importance of seed dispersal.

43. The diagram below shows garden tools. Use them to answer questions that follow.



a) State the use of the garden tool marked

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

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

b) Give two ways farmers care for their garden tools.

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

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

44a) Name the vector that spreads nagana in livestock.

b) State any two ways of controlling the vector named above.

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

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

c) Mention one use of livestock to people.

45a) Name the two methods of making alcohol.

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

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

b) Name the body organ that can be damaged as a result of excessive consumption of Alcohol.

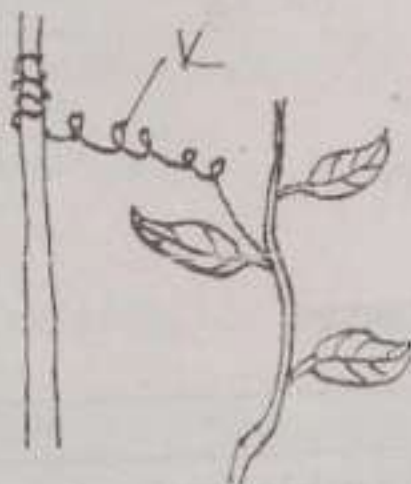
c) Why do some people take alcohol?

46a) What is a resource?

b) Mention the two types of resources.

- i) \_\_\_\_\_  
 ii) \_\_\_\_\_  
 c) How are plants used as resources?  
 \_\_\_\_\_

47. Study the diagram below and use it to answer questions that follow



- a) Name the structure marked K.  
 \_\_\_\_\_
- b) Identify any two crops with the structure named in (a) above  
 i) \_\_\_\_\_  
 ii) \_\_\_\_\_
- b) Why do plants climb others?  
 \_\_\_\_\_
- 48a) Give two ways a bee keeper can care for bees in the apiary.  
 i). \_\_\_\_\_  
 ii). \_\_\_\_\_
- c) What name is given to the food that a queen bee feeds on?  
 \_\_\_\_\_
- d) State the importance of a queen excluder in a modern bee hive.  
 \_\_\_\_\_

49a) What do we call animals kept at home?

b) Give two examples of such animals.

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

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

c) State one way of caring for the above animals.

50a) Give the meaning of the term sanitation.

b) Mention two activities done to promote sanitation at home.

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

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

c) How does boiling makes water safe for drinking?

51. Match list A with list B correctly

**A**

Hydrotropism

Geotropism

Chemotropism

Phototropism

**B**

Chemicals

Light

Water

Gravity

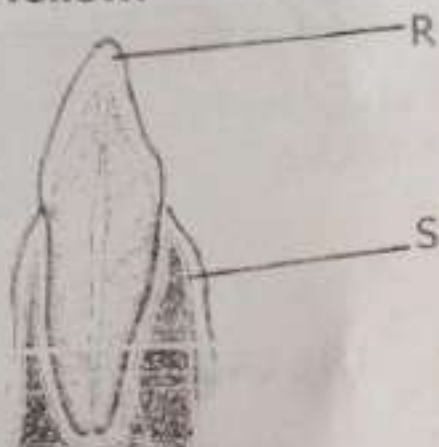
i) Hydrotropism \_\_\_\_\_

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

iii) Chemotropism \_\_\_\_\_

iv) Phototropism \_\_\_\_\_

52. The diagram below shows a type of tooth. Use it to answer questions that follow.



a) Name the parts marked R and S

i) R \_\_\_\_\_ ii) S \_\_\_\_\_

b) Identify the type of tooth shown above.

c) How useful is the above tooth to carnivores?



53a) What is piggery?

b) State one requirement for starting a piggery unit.

c) Name any one exotic breed of pigs.

e) Mention one sign of heat in sows.

54a) Explain the term photosynthesis.

b) Give two raw materials needed for plants to make starch

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

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

c) Which gas is given off during photosynthesis?

55a) Who is a first aider?

b) State the main reason for giving first aid.

c) Give any two qualities of a first aider.

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

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

**THE END**