



THE REPUBLIC OF UGANDA

# KIKUUBE DISTRICT ACADEMIC BOARD

## PRIMARY LEAVING MOCK EXAMINATIONS, 2023

### PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random Number					Personal Number		

Candidate's Name: .....

Candidate's Signature: .....

School: .....

District: .....

**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. Section A, has 40 short-answer questions (40 marks).
3. Section B has 15 questions (60 marks).
4. Answer ALL questions. All answers to both Sections A and B **MUST** be written in the spaces provided.
5. All answers **MUST** be written using a blue or black ball-point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the box indicated "For examiners' use only" and those inside the question paper.

FOR EXAMINER'S USE ONLY		
Qn. No.	Marks	Exrs' No.
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 **one** medium through which sound can travel.  
\_\_\_\_\_
2. Give **one** danger of eating meat that is not fully cooked.  
\_\_\_\_\_
3. Write down **one** PIASCY message that creates awareness among adolescents about AIDS.  
\_\_\_\_\_
4. How does man use a ladder to simplify his work?  
\_\_\_\_\_
5. Besides pregnant mothers, name **one** other group of people who are given TT vaccine.  
\_\_\_\_\_
6. State **one** danger of buying drugs from local shops, markets and hawkers.  
\_\_\_\_\_
7. Which type of change is moulting?  
\_\_\_\_\_
8. Give **one** reason why water is not advisable to put off petrol fire.  
\_\_\_\_\_
9. How does the human body cool itself in a hot day?  
\_\_\_\_\_

*The diagram below is of a blood vessel. Use it to answer question 10.*

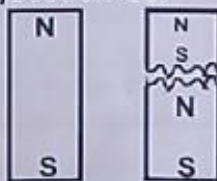


10. Draw an arrow to show the direction of flow of blood. ☐
11. State **one** use of soap in promoting personal hygiene.  
\_\_\_\_\_
12. State the difference in function between a tendon and a ligament at a joint.  
\_\_\_\_\_  
\_\_\_\_\_
13. How do energy saving stoves help to conserve wood fuel?  
\_\_\_\_\_  
\_\_\_\_\_



14. In which way is prolonged breast feeding beneficial to a breast feeding mother?
15. What is the main cause of fainting?
16. Give **one** way ringworm is spread.
17. Give a reason why a maize grain is called a fruit not a seed.
18. How does boiling of drinking water help to reduce the spread of water-borne diseases?
19. State the advantage of rearing local chicken breeds to exotic ones.
20. Mention **one** advantage of a stretcher in first aid management. ☐
21. Why does a stone thrown up in air come back on ground?
22. Name the force that helps one to light a match box.
23. How is a housefly able to spread germs?
24. State **one** way school girls can prevent themselves from early pregnancy.
25. Why is a victim of second degree burn not advised to break blisters?

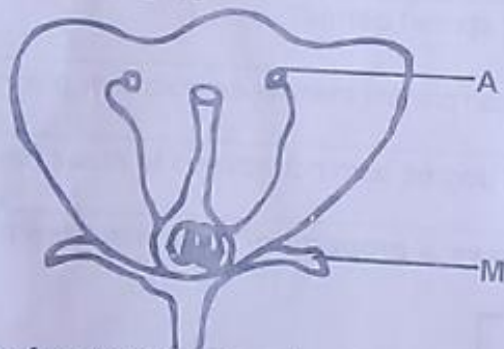
*The diagram below shows a property of magnets. Use it to answer question 26.*



26. Name the property of magnets shown above.
27. Where in the body are red blood cells manufactured?
28. Give **one** reason for planting trees around the compound.
29. What is "hardening off" in crop production?

30. In which way can a doctor remove iron bits from the eyes of a casualty? ☐
31. Name the units for measuring rainfall.
32. How are scavenger birds important in the environment?
33. What property of air makes lungs expand when we breathe in?
34. In which way does a tooth brush promote Oral health?
35. Name any one by-product of respiration.
36. Write down any **one** behaviour which is a result of drug abuse.
37. How do plants benefit animals?
38. Apart from hearing, mention one other function of the human ear.

*The diagram below is a section of a flower. Use it to answer question 39 and 40*



39. Give the function of part marked M.
40. Name the part marked A.

**SECTION B (60 Marks)**

*Questions 41 - 55, carry four marks each.*

41. (a) State **one** way in which rocks contribute to development of an area.
- (b) Apart from rocks, name any one other example of a non-renewable resource in the environment.



- (c) State any **two** ways of conserving non-renewable resources in the environment.

(i)

(ii)

42. (a) State **two** conditions that can keep a family ill.

(i)

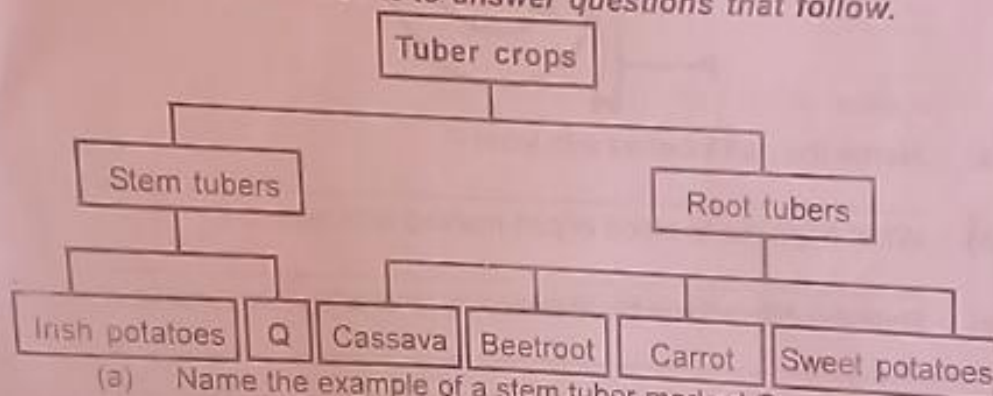
(ii)

- (b) Mention any **two** diseases that people who live in unhealthy conditions can suffer from.

(i)

(ii)

43. The flow-chart below shows groups of tuber crops. Study and use it to answer questions that follow.

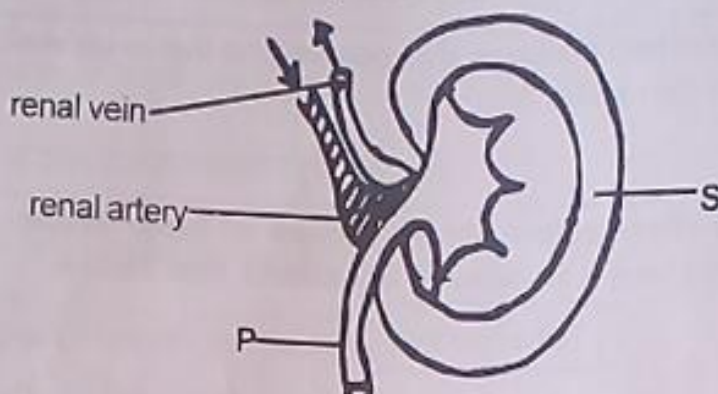


- (a) Name the example of a stem tuber marked Q
- (b) State any **one** characteristic common to all root tubers.
- (c) In which way is the propagation of cassava different from that of an Irish potato?
- (d) Why is a sugarcane plant not grouped under stem tubers yet it stores its food in the stem?
44. (a) Name any **two** devices that use electricity and magnetism.
- (i)
- (ii)
- (b) In which direction does a freely suspended magnet rest?
- (c) State any **one** use of electricity at home.
45. (a) Mention any **one** element of sanitation.

- (b) Write down any **two** sanitary facilities that a home should have.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (c) How far should a pit latrine be located from the school dormitory?
- \_\_\_\_\_

46.

*The diagram below is a section of a human kidney. Use it to answer questions that follow.*



- (a) Name the part labelled with letter P.
- \_\_\_\_\_
- (b) What happens to blood in part marked with letter S?
- \_\_\_\_\_
- (c) State the difference in blood carried by renal artery and renal vein.
- \_\_\_\_\_
- (d) How can one improve on healthy working conditions of the kidneys?
- \_\_\_\_\_
47. (a) State the energy change that takes place when a piece of wood is burning.
- \_\_\_\_\_
- (b) Give **two** ways in which plants are energy resources
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (c) What do we call the stored energy in plants?
- \_\_\_\_\_
48. (a) Give **one** way through which a P.7 candidate can avoid contracting STDs.
- \_\_\_\_\_
- (b) Apart from having sexual intercourse with an infected person, give **one** other way of contracting HIV / AIDS.
- \_\_\_\_\_



(c) As a P.7 candidate, point out **one** life skill that can help you safe guard against AIDS.

(d) How has AIDS affected communities in which we live?

49. *Fill in the table below correctly.*

Position of the body	Type of joint
(a) _____	Pivot joint.
(b) Hip	_____
(c) Elbow	_____
(d) _____	Fixed joint

50. (a) Define the term "Environmental degradation".

(b) Write down **two** natural causes of environmental degradation.

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

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

(c) Point out **one** effect of swamp drainage in the environment.

51. (a) Apart from sunshine, give **one** other element of weather necessary for plant growth.

(b) In which **two** ways is rainfall important for plant growth?

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

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

(c) State **one** disadvantage of too much rainfall to plants.

52. *Below are diagrams of arthropods. Study and use them to answer questions that follow.*



A



B

(a) Mention **one** structural difference between animal A and B.

(b) Name the group of arthropods to which A and B belong.

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

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

(c) List down **one** characteristic that shows animal B is an insect. ☐

53. John fell off a bicycle and broke his thigh bone.

(a) Name the injury which John got.

(b) State any two ways in which John can be given first aid.

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

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

(c) What is the importance of giving first aid to a person like John?

54. (a) Apart from oxygenation, give **one** other reason why blood moves to the lungs.

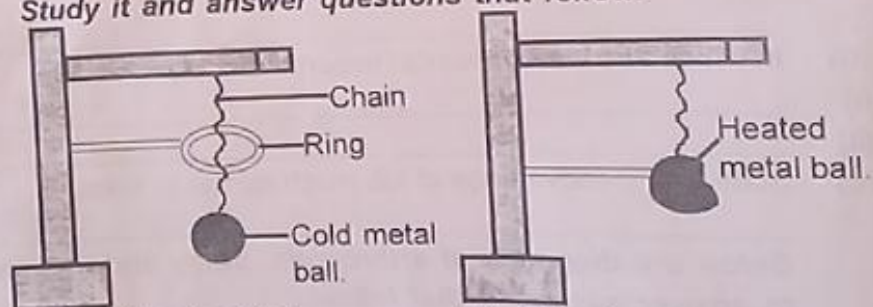
(b) Name any **two** substances transported by blood in the body.

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

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

(c) Mention the role of white blood cells in the body.

55. *The experiment below was carried out by primary five. Study it and answer questions that follow.*



(A) Before heating

(B) After heating

(a) What does the experiment above show about metals?

(b) Give a reason why the ball failed to pass through the ring after being heated.

(c) By what method of heat transfer did the metallic ball get heated?

(d) Give **one** effect of heat on matter.