

THE ROSHA EXAMINATIONS BOARD  
PRIMARY LEAVING MOCK EXAMINATIONS  
2023

INTEGRATED SCIENCE SET III

Time Allowed: 2 hours 15 minutes

Index No:

Random no.						Personal no.		

Candidate's Name: \_\_\_\_\_

Candidate's Signature: \_\_\_\_\_

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

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 40 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 crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated;

For Examiner's use only.

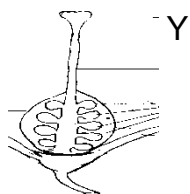
FOR EXAMINER'S USE ONLY		
Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

*Turn over*

**SECTION A (40 marks)**  
**(Questions 1 to 40 carry one mark each)**

1. What is moving air?  
\_\_\_\_\_
2. Name the material kept in a first aid box to help in absorption of fluids on the body of a casualty.  
\_\_\_\_\_
3. Mention one immunisable disease which affects the formation of bones.  
\_\_\_\_\_
4. Why does a piece of paper float when placed in water?  
\_\_\_\_\_
5. How is a trowel useful to a crop farmer?  
\_\_\_\_\_
6. State any one reason why some plants climb others.  
\_\_\_\_\_
7. Give one reason why water for drinking should be boiled properly.  
\_\_\_\_\_
8. What do people gain from nimbus clouds?  
\_\_\_\_\_
9. Why is a bean seed grouped under dicotyledonous seeds?  
\_\_\_\_\_
10. Give one disadvantage of growing maize near a forest.  
\_\_\_\_\_
11. Why do bees visit flowers?  
\_\_\_\_\_
12. Suggest one way of keeping soil fertile.  
\_\_\_\_\_

The diagram below shows part of a flower. Use it to answer questions 13 and 14.



13. What term is given to the part of a flower shown above?

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14. Name the part marked with letter Y.

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15. Why does government encourage people to plant trees?

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16. Suggest one way of controlling flies in our homes.

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17. How is germination similar to rusting?

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18. Name the weather condition that requires a farmer to use irrigation.

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19. What is Food Path?

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20. State any one way of maintaining sanitation at school.

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In the space below draw a bean seed. Use it to answer questions 21 and 22.

21. Name the cotyledon on the diagram above.

22. How is the seed coat useful to the seed?

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23. Name the breathing organs of a fish.

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24. Name the second stage in the life cycle of a cockroach.

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25. Why are we advised to brush our teeth after every meal?

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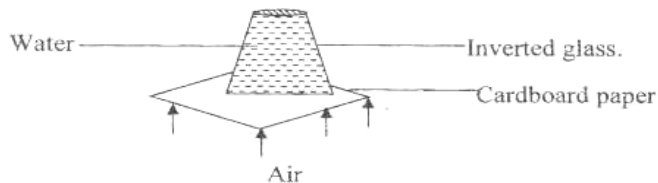
26. On which body part of an insect are the wings attached?

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27. Give one reason why an injured person should get First Aid.

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Use the experiment below to answer question 28.



28. Which property of air is shown in the above experiment?

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29. Write one danger of strong wind.

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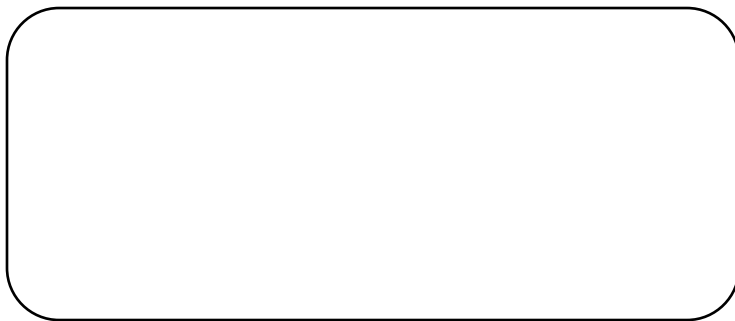
30. How can a farmer conserve moisture in the soil?

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31. Which weather instrument is used to measure the speed of wind?

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32. Draw the shadow of the tree in the diagram below.



33. Why can't green plants make their own food at night?

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34. Why is clay soil used by people who make pots?

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35. Give one reason why breast milk is the best food for babies?

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36. Mention one man-made change in the environment.

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37. How can a farmer control cannibalism on a poultry farm?

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38. Convert  $56^{\circ}\text{C}$  to  $^{\circ}\text{F}$ .

39. Name the juice produced by the walls of a stomach.

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40. What is the importance of ventilators on a house?

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**SECTION B (60 marks)**

**(Questions 41 to 55 carry four marks each)**

41 (a) What is a vector?

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(b) Name the vector associated with each of these diseases.

(i) sleeping sickness

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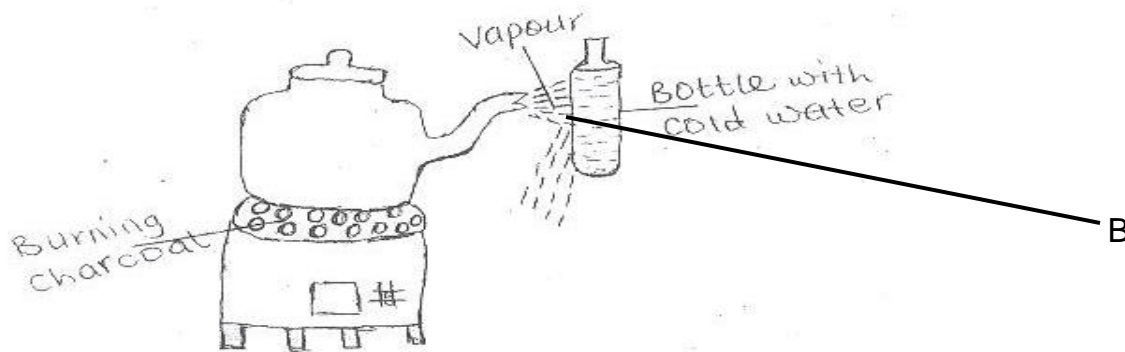
(ii) rabies

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(c) Suggest one way of controlling the spread of rabies in a community.

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42. The diagram below shows an experiment. Study it carefully and answer the questions that follow.



- (a) What process takes place at point B?  
\_\_\_\_\_
- (b) How does water move from the kettle to reach the bottle with cold water?  
\_\_\_\_\_
- (c) Name the type of change that takes place at point marked B.  
\_\_\_\_\_
- (d) Suggest the importance of a burning charcoal stove in the experiment above.  
\_\_\_\_\_

- 43 (a) Name the class of food which is needed in the body to form strong bones.  
\_\_\_\_\_
- (b) Give one example of each of the following types of joints;
    - (i) hinge joint \_\_\_\_\_
    - (ii) Ball and socket joint \_\_\_\_\_
  - (c) State the difference between ligaments and tendons.  
\_\_\_\_\_

- 44 (a) What is pollination?  
\_\_\_\_\_
- (b) Give one example of an insect pollinator.  
\_\_\_\_\_
  - (c) State the role of the stigma during pollination.  
\_\_\_\_\_
  - (d) Name the type of pollination shown in the diagram above.  
\_\_\_\_\_

45 (a) Write PHC in full.

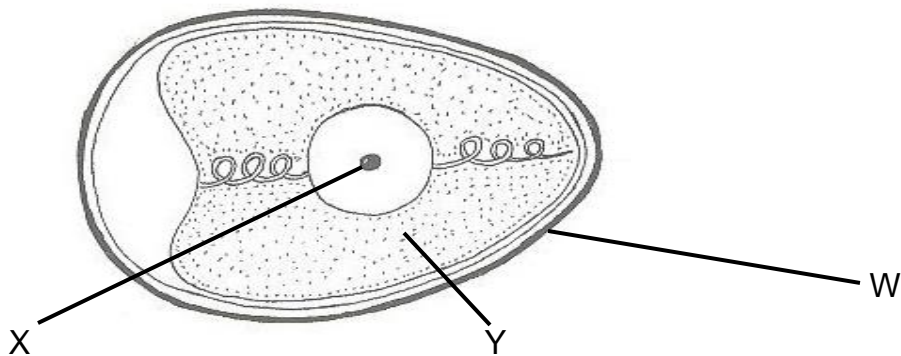
(b) Give one role of family members in promoting PHC.

(c) Mention any two elements of PHC.

(i)

(ii)

The diagram below shows an egg. Use it to answer question 46.



46 (a) Name the parts labelled;

(i) **X**

(ii) **Y**

(b) Why is part **W** porous?

(c) Which food value do we get from eating eggs?

47. Match the classes of food in list **A** to their deficiency diseases in list **B** correctly.

List A	List B
Carbohydrates	Scurvy
Iodine	Beriberi
Vitamin B1	Marasmus
Vitamin B2	Night blindness
	Pellagra
	Goitre

(a) Carbohydrates

- (b) Iodine \_\_\_\_\_
- (c) Vitamin B1 \_\_\_\_\_
- (d) Vitamin B2 \_\_\_\_\_

48 (a) Mention any three diseases transmitted by a housefly.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (iii) \_\_\_\_\_

(b) Give a reason why a housefly is able to spread the above diseases.

\_\_\_\_\_

49 (a) What is "Food Preservation"?

\_\_\_\_\_

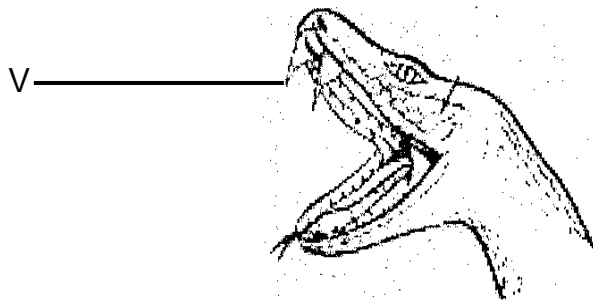
(b) Mention one traditional method of preserving fish widely used in Uganda.

\_\_\_\_\_

(c) Suggest two ways in which preservation of fish by smoking is not good for our environment.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

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



(a) Name the type of a snake shown above.

\_\_\_\_\_

(b) Name the part labelled with letter V.

\_\_\_\_\_

(c) State any two uses of reptiles to people.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_



51 (a) Write the 3Ds in full.

- (i) \_\_\_\_\_
  - (ii) \_\_\_\_\_
  - (iii) \_\_\_\_\_
- (b) Why are patients given ORS?
- \_\_\_\_\_

52 (a) Identify one effect of heat on matter.

\_\_\_\_\_

(b) By what process does heat move through solids?

\_\_\_\_\_

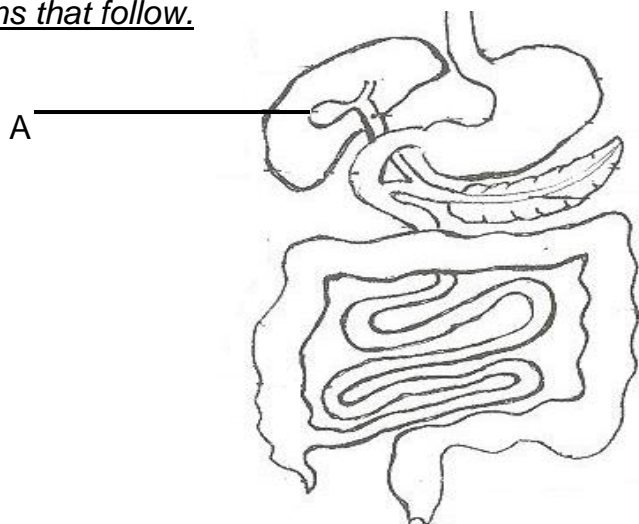
(c) Write down any two uses of heat to man.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

53 (a) What term is used to mean the process by which food is broken down into soluble particles which can be absorbed?

\_\_\_\_\_

The diagram below shows part of the human digestive system. Use it to answer the questions that follow.



(b) Name the organ labelled **A**.

\_\_\_\_\_

(c) Which digestive juice is produced by the stomach?

\_\_\_\_\_

(d) Mention any one disorder of the digestive system.

\_\_\_\_\_

54 (a) Name one process that helps in the formation of soil.

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(b) Mention any two living organisms that help in soil formation.

(i) 

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(ii) 

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(c) Apart from living organisms, name any other component of soil.

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55 (a) Mention two breeds of goats.

(i) 

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(ii) 

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(b) Why do people rear goats?

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(c) Give one example of products got from goats.

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(d) How would you improve on the local breeds of goats?

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