



# RAPHA EXAMINATIONS BOARD

*" Education is an Investment"*

END OF TERM ONE EXAMINATIONS 2025

## PRIMARY FOUR INTEGRATED SCIENCE

*Time allowed: 2 Hours 15 Minutes*

**Pupil's Name:**.....

**School Name:**.....

**District Name:**.....

**Read the following instructions carefully:**

- 1.This paper has **two** sections: **A** and **B**.
- 2.Section **A** has **50** questions (**50 marks**)
- 3.Section **B** has **5** questions (**50 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 a pencil.
6. **Unnecessary** changes in your 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 table indicated:  
" **FOR EXAMINERS' USE ONLY**" and boxes inside the question paper.

**BUZIGA: 0778710993 - 0773609336**

FOR EXAMINERS' USE ONLY		
Qn. No	MARKS	EXR'S No.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
<b>TOTAL</b>		

**Turn Over**

## **SECTION:A**

1. What is air ?

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2. Give any one example of a stem tuber.

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3. By what process do plant roots absorb water from the soil?

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4. Name any one example of a plant that bear seeds with one cotyledon.

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5. How are plants useful to people ?

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6. Mention any one reason why bees visit flowers.

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7. Identify one sign of HIV/AIDs

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8. Name any one process that takes place in leaves.

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9. What do we call the arrangement of veins in leaves ?

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10. What scientific name is given to the food made by plants?

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11. How are flowers important to a plant?

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12. Name any one part that makes up a stamen.

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13. State any one agent of pollination

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14. Give any one reason why people eat food.

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15. Where does fertilization take place in flowers ?

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16. Name any **one** type of soil you know.

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17. How does brushing of teeth help to prevent tooth decay ?

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18. Identify any **one** danger of too much rainfall.

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19. Name any **one** common accident at home.

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20. How are the eyes important to a man ?

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21. Name the type of compound leaf drawn below.



22. What do we the habitat of a domestic dog ?

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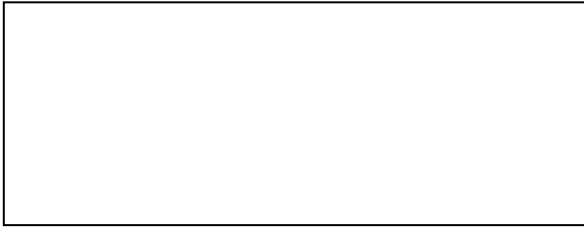
23. Mention any one characteristics of wind pollinated flowers.

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24. Identify any one condition that may a seed fail to germinate.

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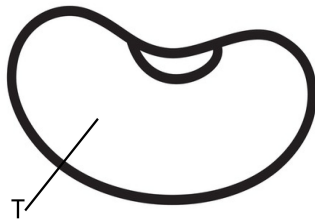
25. In the space below, draw an experiment to show that transpiration occurs in plants.



26. Name any one example of a sanitary item.

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27. Which part of a seed is marked with letter T?



28. Mention any **one** way weeding is useful to farmers.

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29. Give any one way of keeping our body clean.

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30. How is rubbish pit important at school ?

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31. Which type of germination does a sim sim plant belong ?

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32. Name the type of soil with the finest particles.

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33. Why are cows grouped under domestic animals ?

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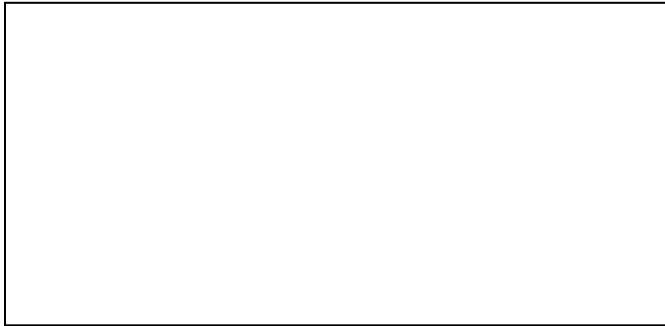
34. How are fibrous roots important to a maize plant ?

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35. Give any **one** raw material used by plants to make food.

---

36. **In the space provided below draw a diagram showing air occupies space.**



37. Why do plants with weak stems climb others?

---

38. Give any one way of controlling road accidents in Uganda.

---

39. Which part of cabbage is eaten as food ?

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40. **In the space below draw a tap root system.**



## **SECTION:B**

41. a) What is a seed?

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b) Define

i) Monocotyledonous seeds

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ii) Dicotyledonous seeds

---

c) Give any one example of dicotyledonous seeds.

---

42. a) What is germination?

---

b) Name any two types of germination.

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

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

c) Give one condition that enable seeds to germinate.

\_\_\_\_\_

43. Suggest any way of planting seeds in the garden.

\_\_\_\_\_

b) In which season do farmers plant their seeds ?

\_\_\_\_\_

c) Give a reason why farmers transplant their crops to the main garden.

\_\_\_\_\_

44. a) Seed viability is the ability of a seed to germinate. State any two qualities of viable seeds

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

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

b) Give the main function of water during germination.

\_\_\_\_\_

c) How is germination in a soyabean seed different from that of a maize seed?

\_\_\_\_\_

45. a) Define the following

i) thinning

\_\_\_\_\_

ii) pruning

\_\_\_\_\_

b) State any two reasons why farmers weed their crops.

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

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

46. a) Name the type of cloud that give us rain.

\_\_\_\_\_

b) State any two types of weather.

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

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

c) Which element of weather helps a farmer to winnow the seeds ?

\_\_\_\_\_

47. Match the garden tools and materials to their uses correctly.

## Garden tools and materials

	use
A hoe	watering plants
A rake	transplanting seedlings
A trowel	pruning
A watering can	collecting rubbish
A garden tool	weeding

A hoe

A rake

A watering can

A trowel

48. a) Why are grasshoppers regarded as solitary insects ?

\_\_\_\_\_

b) Apart from grasshoppers, give one other solitary insect.

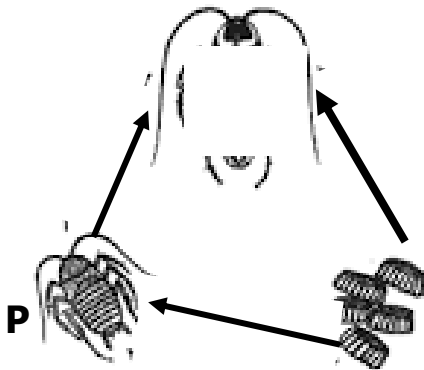
\_\_\_\_\_

c) How are bees useful to the following ;

a. people: \_\_\_\_\_

b. plants : \_\_\_\_\_

49. Study the life cycle below and answer questions that follow:-



a) Name stage marked

**P.** \_\_\_\_\_

b) Name the vector shown in the above lifecycle.

c) Write one disease spread by the above vector.

d) Apart from above vector , name any other vector with such a life cycle

\_\_\_\_\_

50. a) Identify any **two** animals which live in the soil.

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

- ii) \_\_\_\_\_
- b) Write any **two** methods of soil formation.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_

51. In **one** sentence , give the meaning of the term flower.

b) Give any **two** uses of flowers to people.

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

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

c) Which part of a flower receives pollen grains ?

\_\_\_\_\_

52. a) Write any **two** agents of soil erosion.

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

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

Mention any two activities that cause soil erosion

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

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

53. **The steps below shows a wrong order of making O.R.S. Rearrange them correctly.**

1. Stir the mixture until it the solutes dissolve.
2. Measure 1 litre of drinking water into a clean container.
3. Wash your hands with clean water and soap.
4. Measure eight levelled tea spoonful of sugar and one of salt into the container.

\_\_\_\_\_

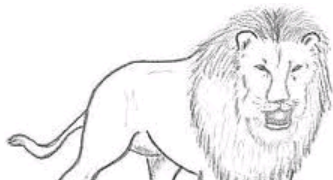
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\_\_\_\_\_

54. **The pictures below shows animals. Study them and answer the questions which follow.**

**X**



**V**



a) Name the animals marked **X** and **V**.

i) **X** \_\_\_\_\_ ii) **V** \_\_\_\_\_

b) Give any **one** use of each animal named in (a) above to people.

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

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

55. a) State the percentage of nitrogen.

\_\_\_\_\_

b) Apart from nitrogen, name any other component of air.

\_\_\_\_\_

c) Give any **two** uses of oxygen to people.

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

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