



SUREKEY EXAMINATIONS BOARD
PRIMARY FOUR LPTE PREPARATION SET 3

2023

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

| Admission No. | | | | | Personal No. | | |
|---------------|--|--|--|--|--------------|--|--|
| | | | | | | | |

Pupil's Name:

Pupil's Signature:

School Name:

District Name:

Read the following instructions carefully:

1. Do not forget to write your **school** or **district name** on the paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **12** printed pages.
3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: "**For Examiners' use only**" and boxes inside the question paper.

| 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 | | |
| TOTAL | | |

SECTION A: 40 MARKS

Questions **1** to **40** carry **one mark** each

1. Name the process that shows how rain is formed.

.....

2. Which animal provides chevon to people?

.....

3. State any **one** danger of soil to people.

.....

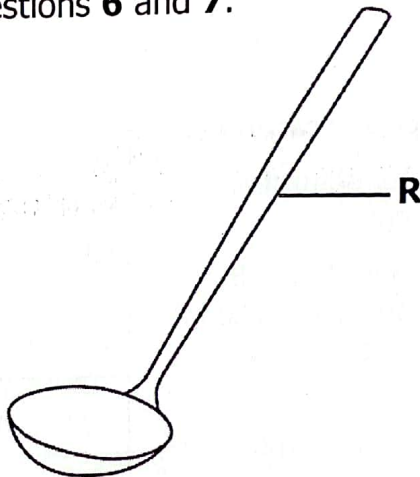
4. Give any **one** way of promoting good health at home.

.....

5. Write down any **one** activity that damages trees in an area.

.....

The diagram below shows an item commonly found in a kitchen.
Use it to answer questions **6** and **7**.



6. Name the part marked **R**.

.....

7. How is the above item useful to a person preparing food?

.....

8. Give any **one** reason why crop farmers weed their crops in the garden.

.....

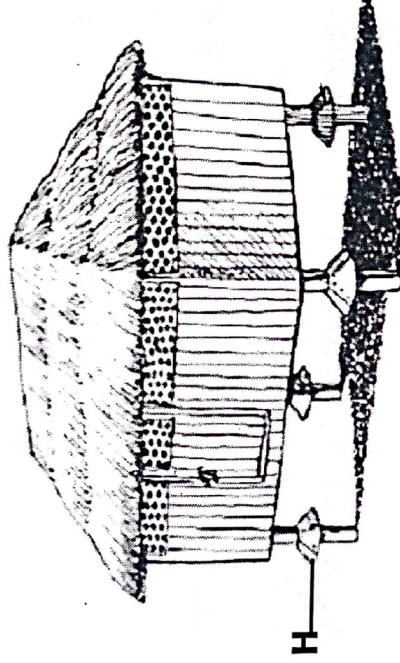
9. Name the body organ that enables a pupil to identify work written on the chalkboard.

.....

10. How does a bedbug benefit from producing bad smell?

11. State any **one** living component of soil.

The diagram below shows a crop storage facility. Use it to answer questions **12** and **13**.



12. Identify the crop storage facility shown above

13. Why are structures marked **H** put on the stands?


14. What advice would you give to a friend who has fetched water from the swamp before drinking it?

15. State any **one** way in which a fish benefits from water.

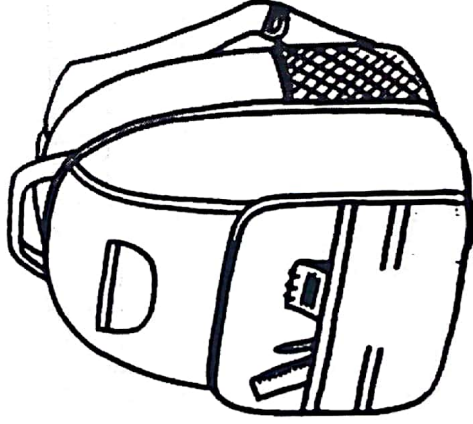
16. State any **one** way of controlling diarrhea at home.

17. What plant system does the radicle form when it grows?

18. Which part of a seed comes out first during germination?

19. What would you do after using a toilet or latrine?
.....
20. Name the tool that contains carbon dioxide for putting out fire.
.....

21. State any **one** problem facing families in our areas.
.....
22. Which part on a bee has the same function as gills in a tilapia?
.....
23. State any **one** way in which people care for domestic birds.
.....
24. Write down any **one** danger of floods in the environment.
.....

The diagram below shows an item commonly used by school children.
Use it to answer questions **25** and **26**.



25. How is the item above useful to school children?
.....
26. In which **one** way can school children care for the item above?
.....
27. How is a razor blade useful when giving first aid?
.....

28. What happens to a piece of paper when fire is set on it?
.....
29. Give any **one** way of caring for harvested crops at home.
.....
30. Mention any **one** animal that lives in the same way as a fish.
.....



31. Which method of soil formation causes humus?
.....
32. Give any **one** use of a bathing sponge in promoting personal hygiene
.....
33. State any **one** disadvantage of wind to people.
.....

The diagram below shows a sealed bottle of water for drinking. Use it to answer questions **34** and **35**.



34. Why is the water in the bottle above suitable for drinking?
.....
35. Give any **one** way in which water in the bottle above can be kept cold.
.....

36. Which deficiency disease affects bones?

37. State any **one** way of preventing metals from rusting

38. Give the meaning of the term weather.

39. Give any **one** reason why dust should be reduced in the compound.

40. State any **one** danger of rats at home.



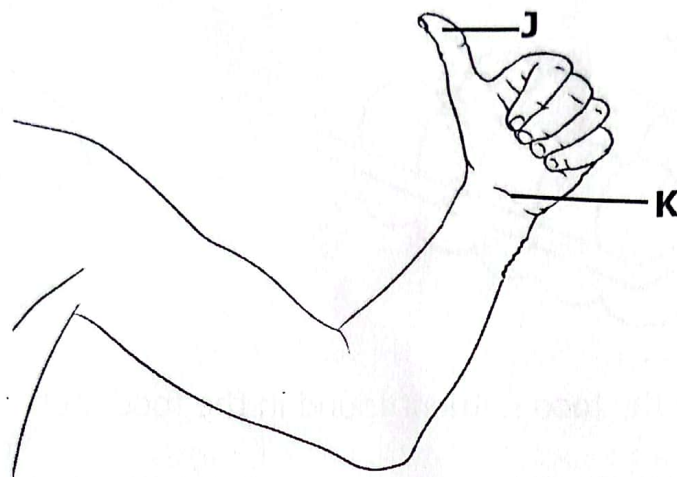
SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41. (a) Name the garden tool used for;
 (i) loading manure
 (ii) spacing crops
- (b) State any **two** ways of caring for garden tools
 (i)
 (ii)
42. (a) Mention **two** elements of weather that help to dry wet clothes.
 (i)
 (ii)
- (b) Why is a Stevenson's screen painted white?

- (c) How is the use of a hygrometer different from that of a barometer at weather station?

43. The diagram below shows part of the human body. Study and use it to answer the question



- (a) Name the parts marked **J** and **K**.

(i) **J**

(ii) **K**

- (b) State any **one** use of the part of the human body above to a person.

.....

- (c) Apart from the part shown above, mention any **one** other external part of the human body.

.....



44. (a) Give any **two** gases that make up air.

(i)

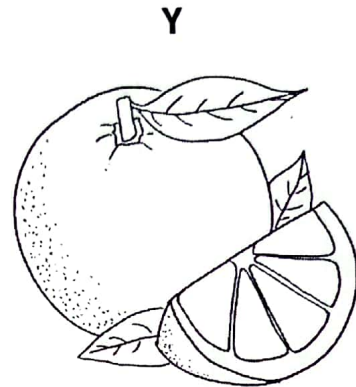
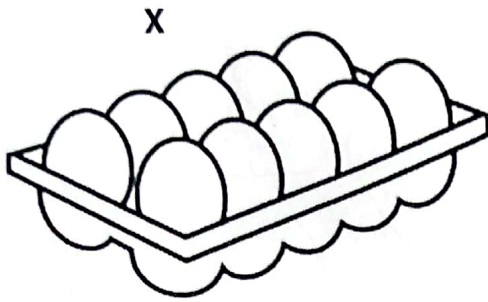
(ii)

- (b) State any **two** properties of air.

(i)

(ii)

45. The diagrams below show food stuffs marked **X** and **Y**. Study and use them to answer the questions that follow.



- (a) Name the food nutrient found in the food stuff marked **Y**.
.....
- (b) How does lack of food stuff marked **X** in the body affect human health?
.....
- (c) Mention any **one** other food stuff that contains food nutrient as that in **Y** above.
.....
- (d) State the source of food stuff marked **X** above.
.....
46. In the table below, part **A** shows animals and part **B** shows the way the above animals move but in wrong order.

| Part A | Part B |
|-------------|---------|
| Snakes | gallops |
| Frog | wiggles |
| Caterpillar | leaps |
| kangaroo | glides |

Match correctly the animals with their movement in list B.

- (i) Snakes
- (ii) Frog
- (iii) Octopus
- (iv) Kangaroo



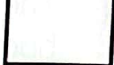
47. (a) Write down any **two** tools used to groom(cut) fingernails short.
- (i)
- (ii)
- (b) Give any **one** reason why it is important to cut fingernails short.
-
- (c) Apart from cutting them short, state any **one** other way of keeping toe nails clean.
-

48. The diagram below shows a person applying a certain substance on the body. Study and use it to answer the questions that follow.



- (a) Name the substance that the person above is applying on the body.
-
- (b) From which part of a flowering part is the substance above got?
-
- (c) Mention any **two** other products obtained from the part of a flowering plant mentioned in (b) above.
- (i)
- (ii)

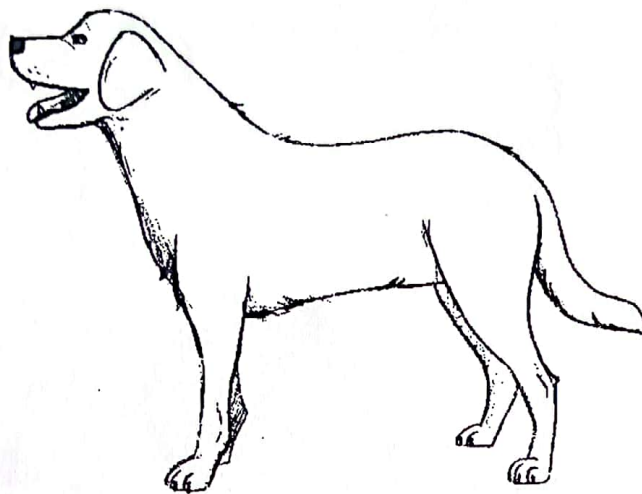
49. (a) Name the type of teeth that are;
(i) Sharp and pointed
(ii) Chisel shaped
(b) Give the main function of the type of teeth that are chisel shaped to a person.
.....
(c) State any **one** way of caring for human teeth.
.....

50. (a) Write the following in full; 
(i) HIV
(ii) AIDS
(b) Give **one** way in which HIV/AIDS spreads to people.
.....
(c) How best can pupils protect themselves from getting HIV/AIDS?
.....

51. (a) Mention any **two** examples of soil horizons.
(i)
(ii)
(b) Give any **two** ways in which school children use soil.
(i)
(ii)

52. (a) Name the organ of the boy that;
(i) pumps blood
(ii) filters blood
(b) Give any **two** ways of caring for body organs named above.
(i)
(ii)

53. The diagram below shows a domestic animal. Use it to answer the questions that follow.



- (a) Why is the animal shown above called a domestic animal?

.....

- (b) How is the feeding of the domestic animal above similar to that of a cat?

.....

.....

- (c) Give any **one** reason why people keep the domestic animal drawn above in their homes.

.....

- (d) Mention any **one** way of caring for the domestic animals.

.....

54. (a) Give any **two** examples of changes in nature.

(i)

(ii)

- (b) State any **one** way in which changes in nature are dangerous to the environment.

.....

- (c) Which change in nature is caused by too much sunshine?

.....

55. The diagram below is of an item commonly used to promote sanitation at school. Study and use it to answer the questions that follow



- (a) Name the sanitary item shown above.
.....
- (b) How is the sanitary item shown above useful in promoting sanitation?
.....
.....
- (c) Mention any **one** waste material that can be put in the sanitary item shown above.
.....
- (d) Which other sanitary item can be used for the same purpose as the one shown above?
.....

