



**SUREKEY EXAMINATIONS BOARD**  
**PRIMARY SIX QUALITY CHECK TWO**  
**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		
<b>TOTAL</b>		

## SECTION A: 40 MARKS

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

1. Name the main product got from saanen goat.

.....

2. State any **one** effect of floods in a community.

.....

3. What is the importance of including sand grains in chicken feeds?

.....

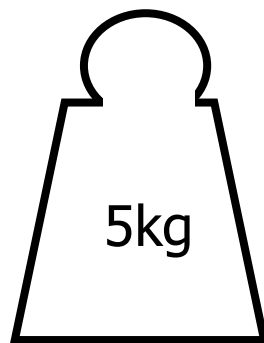
4. How is a rain gauge useful to a crop farmer?

.....

5. Name the type of teeth suitable for tearing meat.

.....

The diagram below shows an object commonly used by traders. Use it to answer questions **6** and **7**.



6. Name the object shown in the diagram above.

.....

7. How is the above object useful to traders?

.....

8. Name any **one** mammal that feeds on insects.

.....

9. Give any **one** reason why people keep cats in their houses.

.....

10. Apart from boiling, give any **one** other way in which food can be prepared at home.

.....



11. Which part of an onion has the same function as the cotyledon of a pea seed?

.....

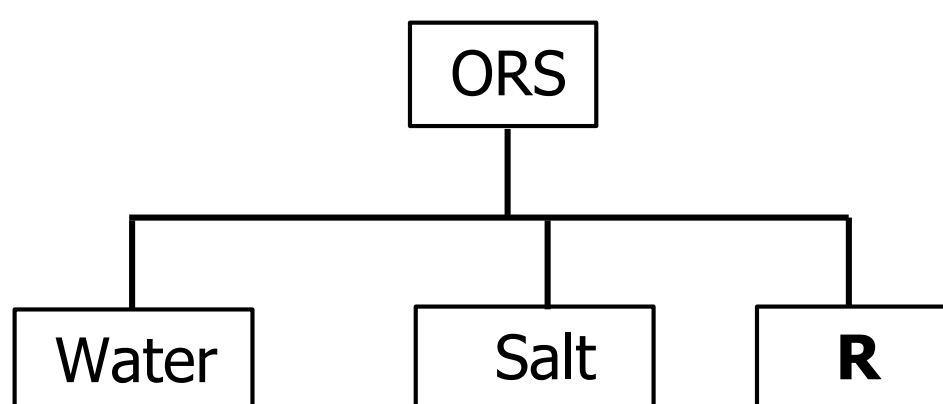
12. Why is it important to keep drugs out of reach of children?

.....

13. Which rabbit disease is characterized by difficulty in breathing?

.....

The diagram below shows substances used to prepare Oral Rehydration Solution in factories. Use it to answer questions **14**.



14. What is the importance of substance at **R** when preparing Oral Rehydration Solution(ORS)?

.....

15. State any **one** use of soil to termites.

.....

16. Identify any **one** local material used to make balls.

.....

17. State any **one** habit that helps to promote oral health.

.....

18. Apart from carbohydrates, name any **one** other class of food that gives the body energy.

.....

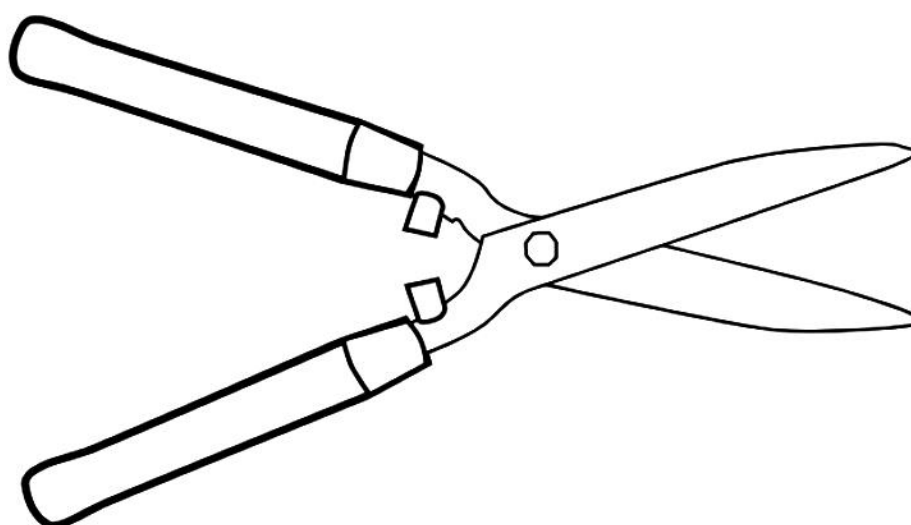
19. In which way is the sun important in food preservation?  
.....

20. State the best method of making water safe for drinking.  
.....

21. How does a blanket help to keep a person warm at night?  
.....



The diagram below is of a garden tool. Use it to answer questions **22** to **23**.



22. Name the garden tool shown above.  
.....

23. Which crop growing practice is commonly done using the above garden tool?  
.....

24. Apart from a housefly, name **one** other vector that is harmful to human eyes.  
.....

25. State any **one** way in which a child gets natural immunity.  
.....

26. What is the importance of the constriction in the clinical thermometer?  
.....

27. Why does smoke from the chimney move up?  
.....

28. State any **one** danger of eating under cooked meat to human health.  
.....

29. Which gas is used by food manufacturers in preserving drinks like sodas?

.....

The diagram below shows a foot of groups of birds. Use it to answer questions **30** and **31**.



30. Which group of birds have such a foot?

.....

31. Name any **one** example of birds that have such a foot.

.....

32. What name is given to plants which grow where they are not wanted?

.....

33. Name the practice in farm animals that helps to control endo parasites.

.....

34. State any **one** way of controlling ringworm infection in humans.

.....

35. What role do bacteria play in pit latrines?

.....

36. Give any **one** example of ceramics.

.....

37. State the importance of the arm sling when giving first aid to a fractured arm?

.....

38. State any **one** danger of polythene bags to soil organisms.

.....

39. Which insect water habitat disease affects the red blood cells?  
.....
40. Give any **one** effect of food taboos to children.  
.....

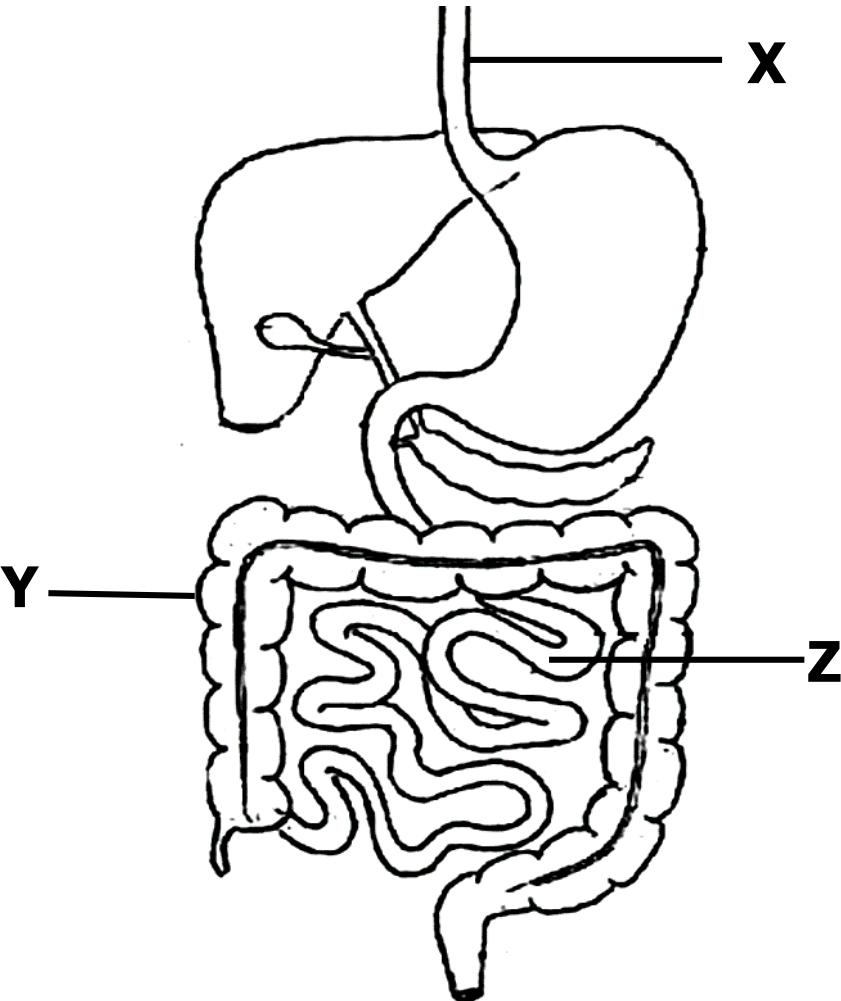


**SECTION B: 60 MARKS**

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

41. a) State the property of air enables a person to;  
i) Fly a kite .....  
ii) Wear perfume .....
- b) Give any other **two** uses of air to people.  
i) .....  
ii) .....
42. a) Which type of bees are commonly seen around flowers?  
.....
- b) Why is the above type of bees commonly seen around flowers?  
.....
- c) How are the type of bees given in (a) above friendly to a crop farmer?  
.....
- d) State any **one** way of caring for honey bees.  
.....

43. The diagram below shows part of a body system. Study and use it to answer questions that follow.



- a) Name the part marked **Y**.  
.....
- b) State any **one** characteristic that makes part **Z** able to absorb digested food.  
.....
- c) What class of food is first digested in part marked **X**?  
.....
- d) Identify the body system to which the above diagram belongs.  
.....

44. a) Mention any **two** methods of producing alcohol.

  - i) .....
  - ii) .....

b) State any **two** reasons why some people drink alcohol.

  - i) .....
  - ii) .....

45. a) Mention any **two** sanitary elements at home that help in the proper disposal of wastes.
- i) .....
- ii) .....
- b) State any **two** dangers of poor disposal of wastes in an area.
- i) .....
- ii) .....

46. In the table below, Part **A** shows animals and Part **B** has the way how they protect themselves against enemies.

Part <b>A</b> : Animals	Part <b>B</b> : Way of protection
Cow	Stinging
Lady bird	Pricking
Caterpillar	Goring
Wasp	Producing bad smell

Use the ways of protection in Part **B** of the table and match the animals below.

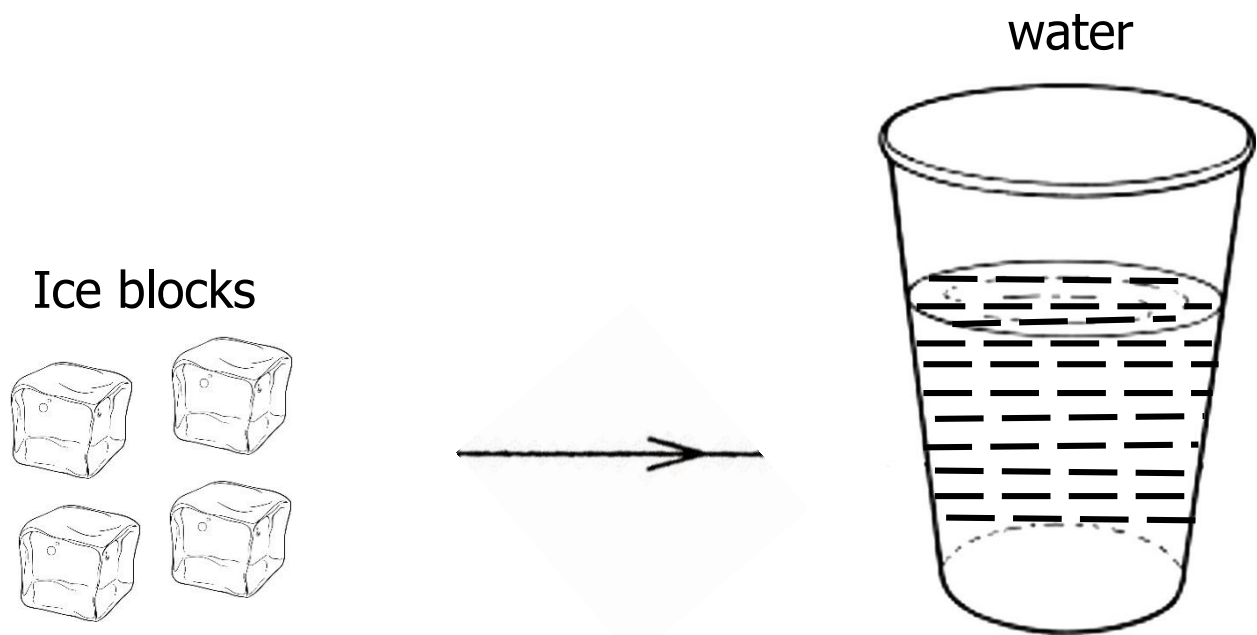
- i) Cow .....
- ii) Lady bird .....
- iii) Caterpillar .....
- iv) Wasp .....



47. a) Which element of Primary Health Care(PHC) is promoted by;
- i) Washing the school uniform
- .....
- ii) Controlling population growth
- .....
- b) State any **two** roles played by the family to promote health.
- i) .....
- ii) .....



48. The diagram below shows a physical process in matter. Study and use it to answer questions that follow.

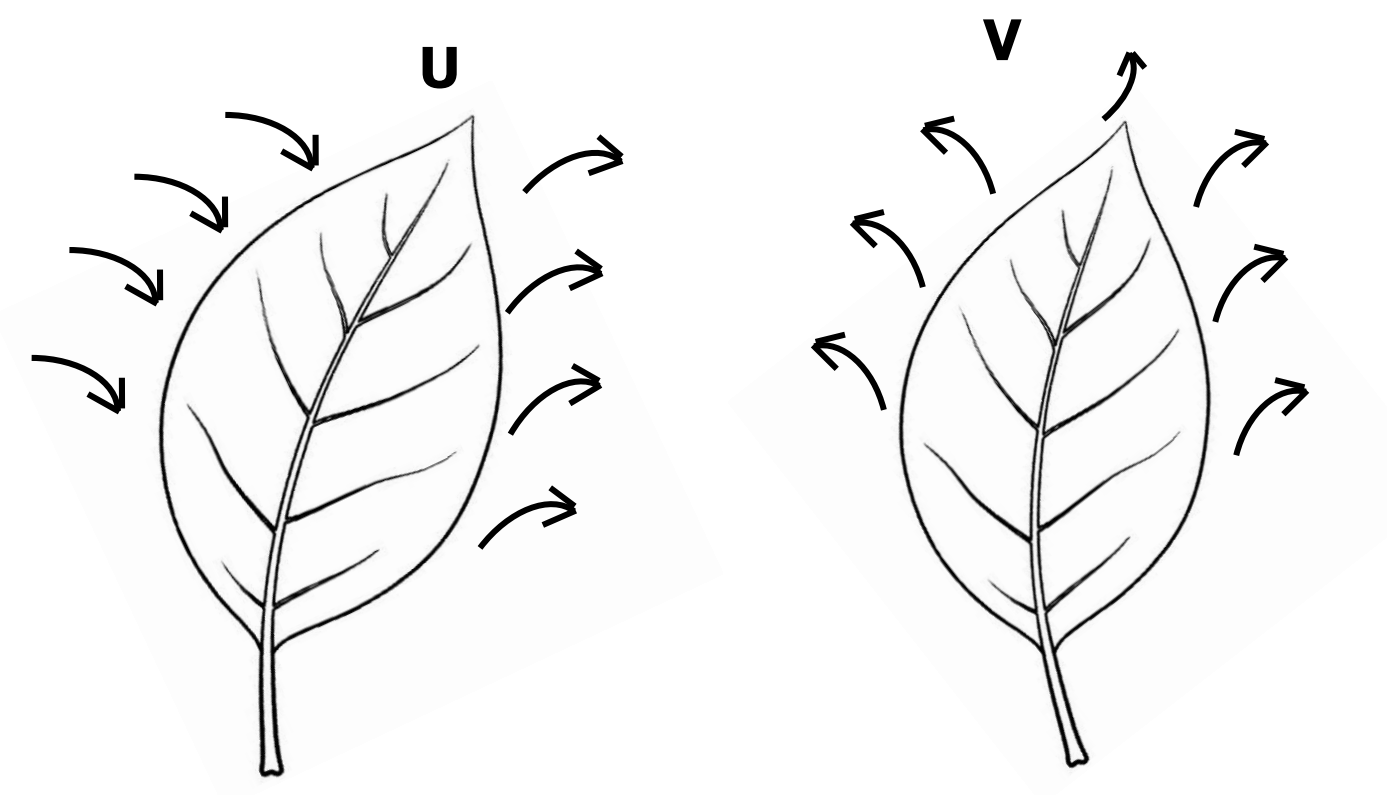


- a) Name the physical process shown above.  
.....
- b) What form of energy leads to the formation of the above physical process?  
.....
- c) Give any **two** ways in which the above physical process is useful to people.
  - i) .....
  - ii) .....

- 49.
- a) Which process of soil formation leads to the formation of humus?  
.....
  - b) Write down any **one** component of humus.  
.....
  - c) State any **two** importance of humus in the soil.
    - i) .....
    - ii) .....



50. The diagrams below show two plant processes. Study and use them to answer the questions that follow.



- a) Name the plant processes marked **U** and **V**.
  - i) **U** .....
  - ii) **V** .....
- b) State any **one** factor that affects the rate of plant process process marked **V**.
 

.....
- c) Which of the above processes helps to purify air?
 

.....

51. The table below shows chicken, age and the type of feeds given to them. Complete it correctly.

Chicken	Type of feeds	Age
i) Chicks	Chicks mash	.....
ii) Broilers	.....	8 weeks onwards
iii) .....	Growers mash	8 – 16 weeks
iv) Layers	Layers mash	.....

52. a) Apart from animals, mention any **two** other natural sources of sound.
- i) .....
- ii) .....
- b) State any **two** reasons why animals make sound.
- i) .....
- ii) .....



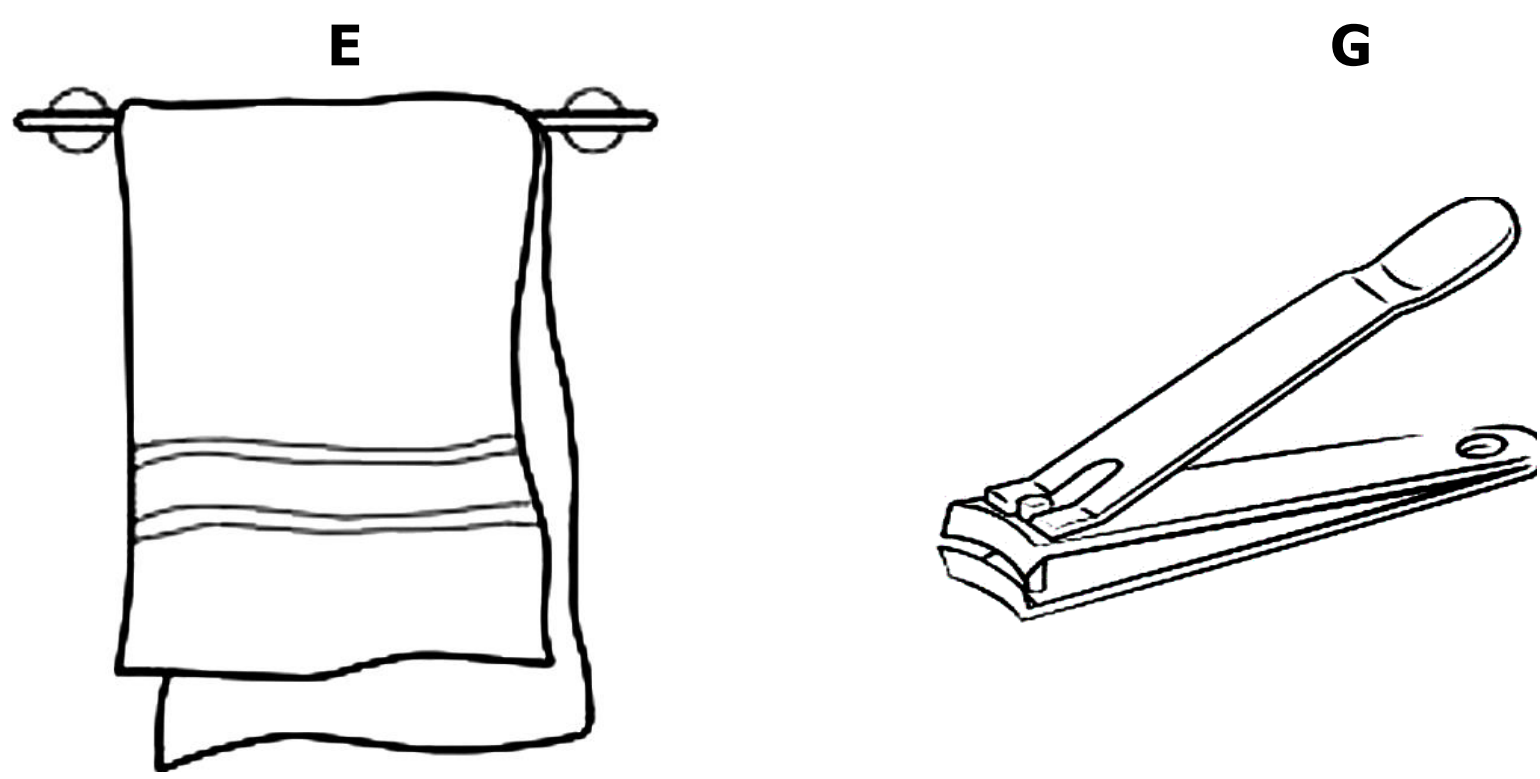
53. a) Give any **one** way in which fungi reproduce.
- .....
- b) Which fungus is used to;
- i) Bake bread .....
- ii) Make antibiotics .....
- c) Mention any **one** fungal disease that attacks plants.
- .....

54. The following list is of animals belonging to different classes of arthropods. Study carefully and use it to answer the questions that follow.

**Tick, locust, millipede, mite**

- a) To which class of arthropods does a locust from the list above belong ?
- .....
- b) Which class of arthropods is not represented in the list?
- .....
- c) Name any **one** animal from the list which is an arachnid.
- .....
- d) Give any **one** way in which all the above arthropods are similar.
- .....

55. The diagram below shows items used to keep the body clean. Study and use them to answer it to answer the questions that follow.



- a) Name the body organ cleaned using the item marked **E**.  
.....
- b) State the importance of item marked **G** in keeping the body clean.  
.....
- c) Why is it not advisable to share the item marked **G**?  
.....
- d) Give any **one** way of caring for the item marked **E**.  
.....

