



SUREKEY EXAMINATIONS BOARD
PRIMARY SIX QUALITY CHECK ONE

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 hardest part of the tooth.

.....

2. State any **one** factor to consider when starting a livestock farm.

.....

3. Give any **one** use of honey to people.

.....

4. Give any **one** way in which heat is important in the environment.

.....

5. Why is it advisable to sleep under a treated mosquito net?

.....

6. State **one** way in which food contamination can be prevented at home.

.....

The diagram below shows a reproductive part of a flower. Use it to answer questions **7** and **8**.



7. Name the reproductive part of the flower in the diagram above.

.....

8. Use letter **K** to show the part that produces pollen grains.

.....

9. Give any **one** way in which school children can promote immunization in the community.

.....

10. Name the part of the digestive system that produces gastric juice.

.....



11. State the reason why the key sinks when lowered in a basin full of water.

.....

12. How do hook worms enter the body of a person?

.....

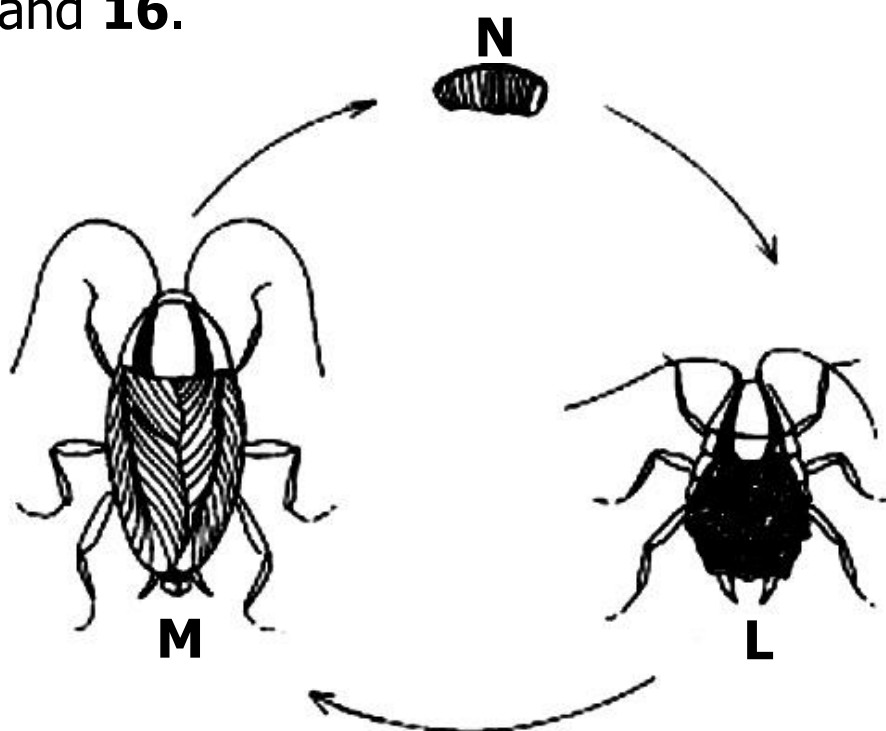
13. State the element of Primary Health Care (PHC) that controls population growth.

.....

14. Name the disease spread by tsetse flies to humans.

.....

The diagram below shows the life cycle of a cockroach. Use it to answer questions **15** and **16**.



15. Name the stage marked **L**.

.....

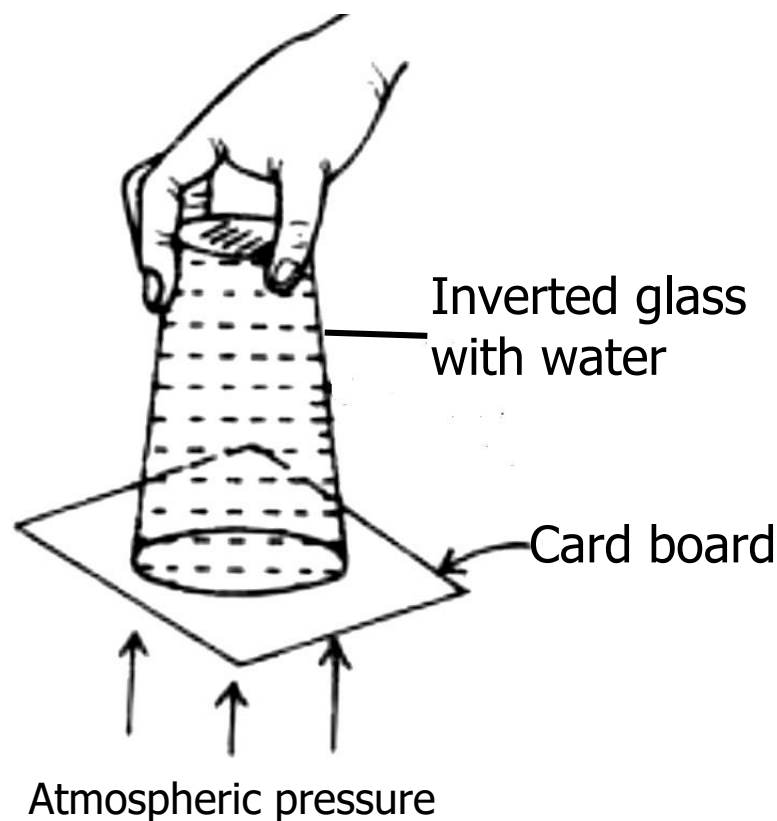
16. Mention any **one** other insect that undergoes the above life cycle.

.....

17. Why are beans grouped under leguminous crops?
.....
18. State any **one** way of improving soil fertility.
.....
19. Which body organ in the human being has the same function as gills in fish?
.....
20. Give any **one** way in which bacteria are harmful to people.
.....
21. Name the type of immunity acquired by a child recovering from measles.
.....
22. Mention any **one** way in which you can prevent rats at home.
.....



The diagram below shows a property of air. Use it to answer questions **23** to **24**.



23. State the property of air shown in the diagram above.
.....
24. Give any **one** use of the above property of air to people.
.....

25. Give any **one** condition that can lead bottle feeding at home.
.....
26. State any **one** way in which school children can control the spread of skin diseases.
.....
27. State any **one** way in which the spread of diarrhoea can be controlled.
.....
28. Mention any **one** way of making water safe for drinking.
.....
29. Why are gaps left between railway lines during construction?
.....
30. Apart from using scare crows, state any other way of protecting crops in the garden against crop pests.
.....
-
31. Give any one reason why it is important to have enough rest and sleep.
.....
32. Give any one way in which scalds and burns are similar.
.....
33. State one reason why a fire extinguisher is usually painted with bright colours.
.....
34. Write down any **one** PIASCY message commonly displayed in school compounds.
.....
35. Write down any **one** activity carried out by Young Farmers Clubs at school.
.....

36. State any **one** way in which water is important during seed germination.
.....
37. State any **one** way in which crafts are important to people.
.....
38. How can you recover salt that is mixed with sand?
.....
39. Give any **one** way in which of caring for domestic animals at home.
.....
40. Give any **one** effect of rusting on metallic tools.
.....



SECTION B: 60 MARKS

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

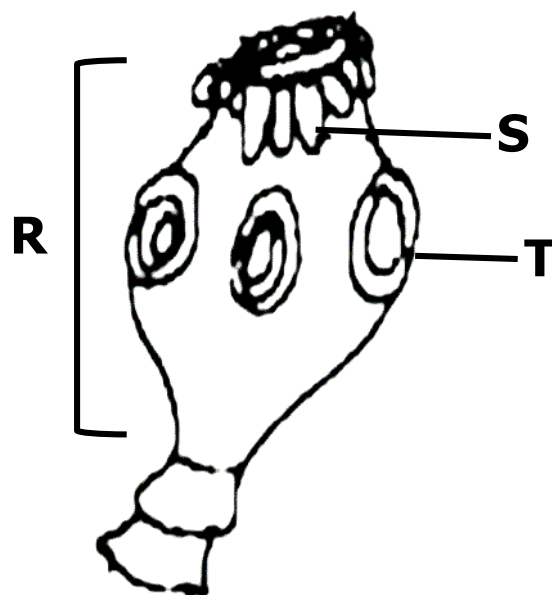
41. State the physical processes in matter by which;
- a) Ice turns to water
 - b) Water turns to steam.
 - c) Steam turns to water.
 - d) Water turns to ice.
42. a) Give the meaning of the following terms;
- i) soil erosion.
.....
.....
 - ii) weathering.
.....
.....

b) Identify any **two** activities farmers do to control soil erosion in their gardens.

i)

ii)

43. The diagram below shows the head of an intestinal worm. Study it and use it to answer the questions that follow.



a) Name the parts marked **R** and **S**.

i) **R**

ii) **S**

b) State the function of part marked **T** to the above intestinal worm.

.....

c) What does the above worm feed on?

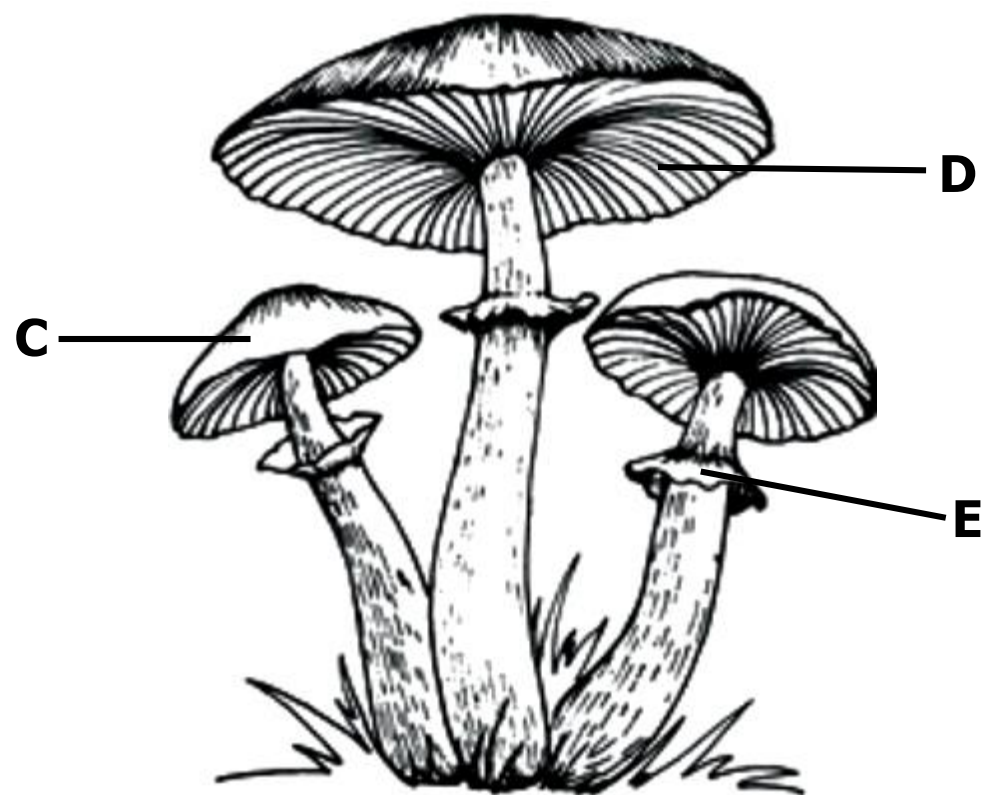
.....



44. a) Why are carrots called root tubers?
.....
.....
- b) Apart from carrots, write down any **two** other examples of root tubers.
i)
ii)
- c) How are carrots propagated?
.....
45. a) State any **two** signs that show that a school child has poor personal hygiene.
i)
ii)
- b) Give any **two** diseases that can break out due to poor personal hygiene.
i)
ii)
46. a) Name the **main** product got from each of the following animals.
i) Merino sheep
ii) Angora goats
- b) Mention any **two** breeds of goats that are eot for milk production.
i)
ii)



47. The diagram below is of a fungus. Study and use it to answer the questions that follow.



- a) Name the parts marked with **C** and **E** .
 - i) **C**
 - ii) **E**
- b) How is part **D** useful to the above fungus?
.....
- c) Give any **one** use of the above fungus to people.
.....

48. a) Mention any **two** diseases that attack rabbits.
- i)
 - ii)
- b) State any **two** ways of controlling diseases among rabbits
- i)
 - ii)

49. The table below shows elements of weather in part **A** and their effects in part **B**.

A: Elements of weather	B: Effects
Clouds	Causes drought.
Rainfall	Raises dust.
Wind	Causes floods.
Sunshine	Causes rain.

Match correctly the elements of weather with their effects in the spaces provided.

- i) Clouds
- ii) Rainfall
- iii) Wind
- iv) Sunshine



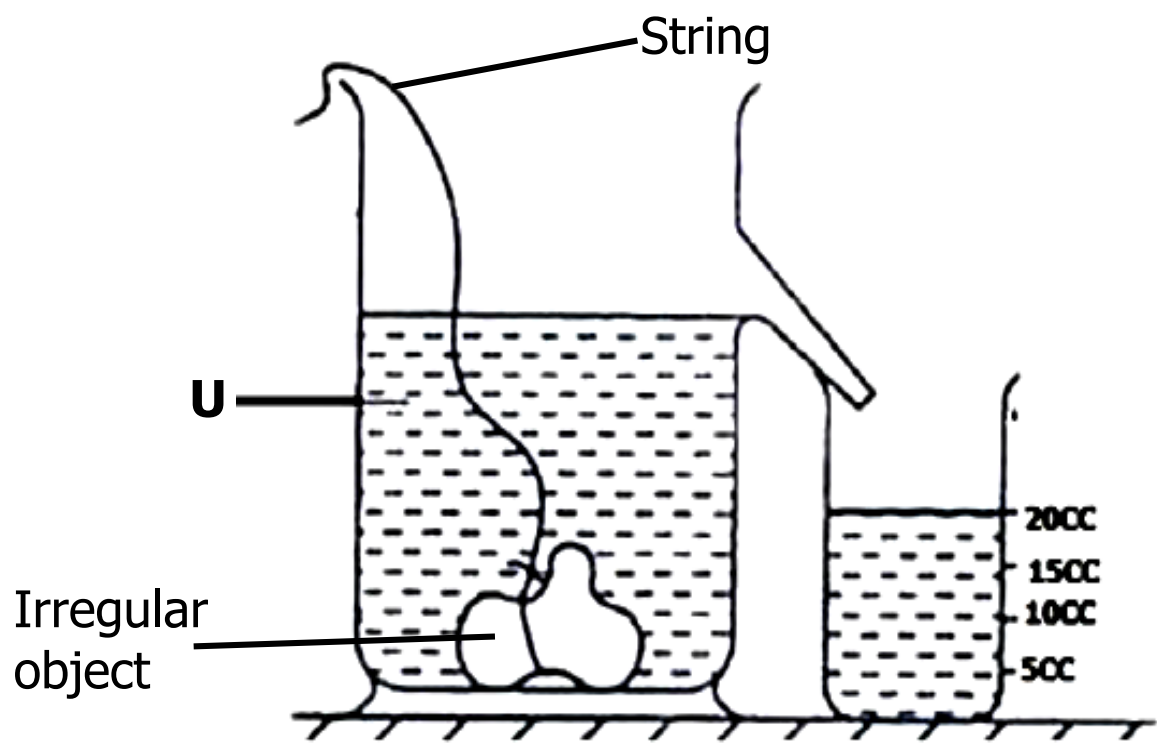
50. a) Give the meaning of the following terms.

- i) Dehydration
.....
.....
- ii) Rehydration
.....
.....

b) State any **two** causes of dehydration in humans.

- i)
- ii)

51. The diagram below shows a method of finding volume of an irregular object. Study it and use it to answer the questions that follow.



- a) Identify the method of finding volume of the irregular object shown above.
.....
- b) What is the volume of the irregular object above?
.....
- c) Name the container marked **U**.
.....
- d) State the role of the string in the above experiment.
.....

52. a) Name any **two** states of matter.
- i)
 - ii)
- b) State any **two** reasons why mercury is used in thermometers.
- i)
 - ii)



53. a) Why are babies grouped under vulnerable groups of people?
.....
- b) State any **two** ways of caring for babies.
- i)
- ii)
- c) Apart from babies, give any other group of vulnerable people?
.....
54. a) Mention any **two** examples of biological changes in plants.
- i)
- ii)
- b) State any **two** ways in which biological changes are important in the environment.
- i)
- ii)
55. a) Mention any **two** requirements of a clean home.
- i)
- ii)
- b) State any **two** ways how school children can promote good sanitation.
- i)
- ii)

