



SURREKEY EXAMINATIONS BOARD  
PRIMARY FOUR LPTE PREPARATION SET 1  
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 **11** 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 main source of energy on earth.

.....

2. Which disease is spread by a culex mosquito?

.....

3. State any **one** use of sand soil to people.

.....

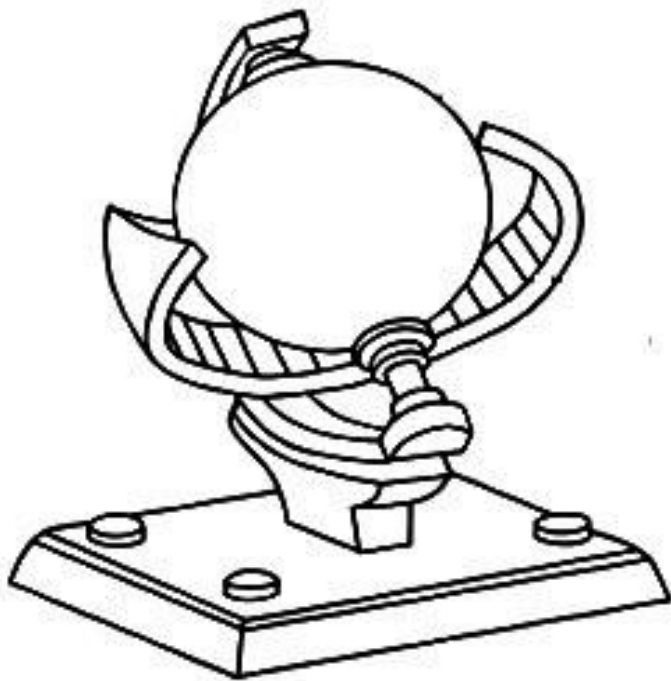
4. Give any **one** example of food storage roots.

.....

5. Which group of animals live on their own?

.....

The diagram below is of a weather instrument. Use it to answer questions **6** and **7**.



6. Name the weather instrument shown above.

.....

7. Which weather element is measured using the above weather instrument?

.....

8. State the type of annual crops that store their seeds in pods.

.....

9. Which type of objects do not form shadows?

.....

10. Why does a bull gore when disturbed?

.....



11. How are fruits useful to human health?

.....

12. Write down any **one** activity done to conserve the environment.

.....

13. State any **one** characteristic of a cricket which makes it to be called an insect.

.....

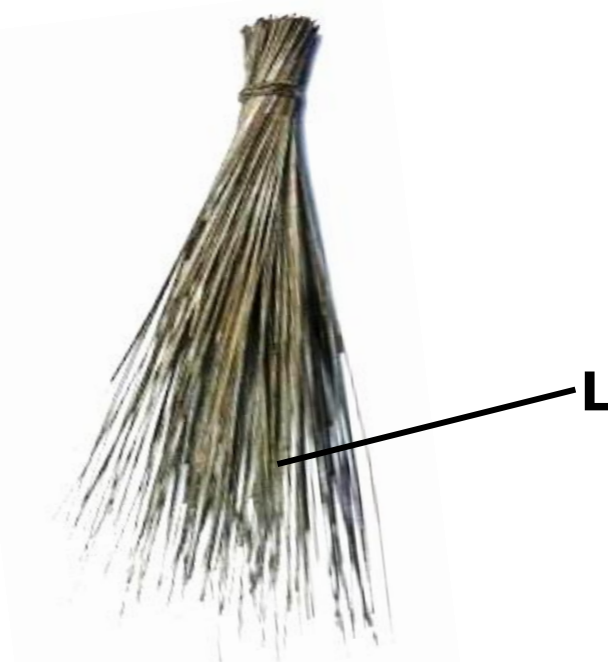
14. How can the breeding of cockroaches be controlled in our compounds?

.....

15. Which common disease is controlled by following **PIASCY** messages?

.....

The diagram below shows an item used to promote sanitation.  
Study it and answer questions **16** and **17**.




16. Name any **one** local material used to make part marked **L**.

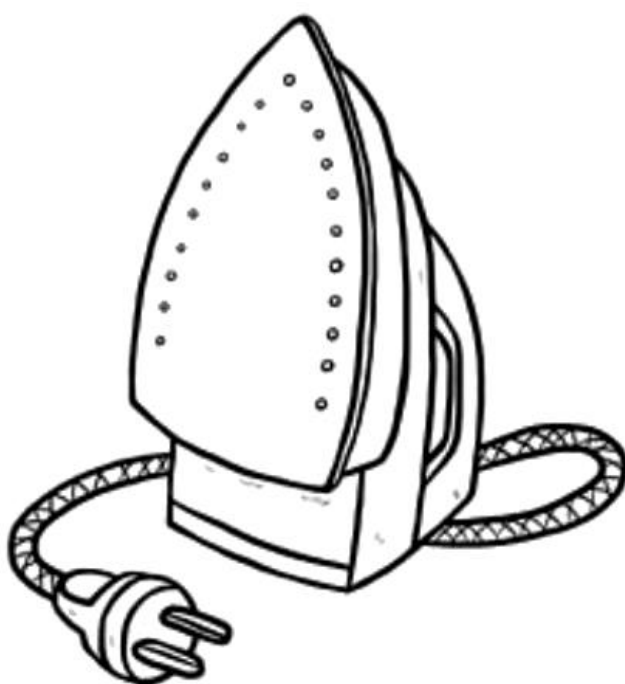
.....

17. How is the above item useful in promoting sanitation?

.....

18. State any **one** characteristic of things that have life.  
.....
19. Give any **one** way in which you can re-use old jerycans at home.  
.....
20. How is cooking oil useful to a school cook?  
.....
21. State any **one** characteristic of monocotyledonous seeds.   
.....
22. State the difference in function between gills and a lateral line in a fish.  
.....  
.....
23. Give any **one** way in which regular jogging is important to the human body.  
.....

The diagram below shows a tool commonly found at home. Study it and answer questions **24** and **25**.



24. Name the tool shown in the diagram above.  
.....
25. How is the above tool useful to a primary four learner?  
.....

26. How is a house useful to people at home?  
.....
27. Why is water got from open wells not good for drinking?  
.....
28. How is the tongue useful to a mother when cooking sauce?  
.....
29. State the importance of feeding on posho to the body.  
.....
30. Which immunisable disease causes skin rash?  
.....
31. Apart from honey bees, name any **one** other example of insects that live and work together.  
.....
32. Which craft item at home can be used for pounding ground nuts?  
.....
33. Give any **one** way in which a baby can be cared for at home.  
.....
34. How is the sun useful to a crop farmer during harvesting season?  
.....
35. State any **one** condition which makes a person to have a bad smell from the body.  
.....
36. Name any **one** animal that lives in soil.  
.....
37. Which domestic animal uses rats as its food?  
.....
38. How is oxygen useful when smoking meat?  
.....



39. Give any **one** reason why people cook food.

.....

40. Apart from balls, give any **one** other example of solids.

.....



### SECTION B: 60 MARKS

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

41. a) Name the body part used for:

i) Touch .....

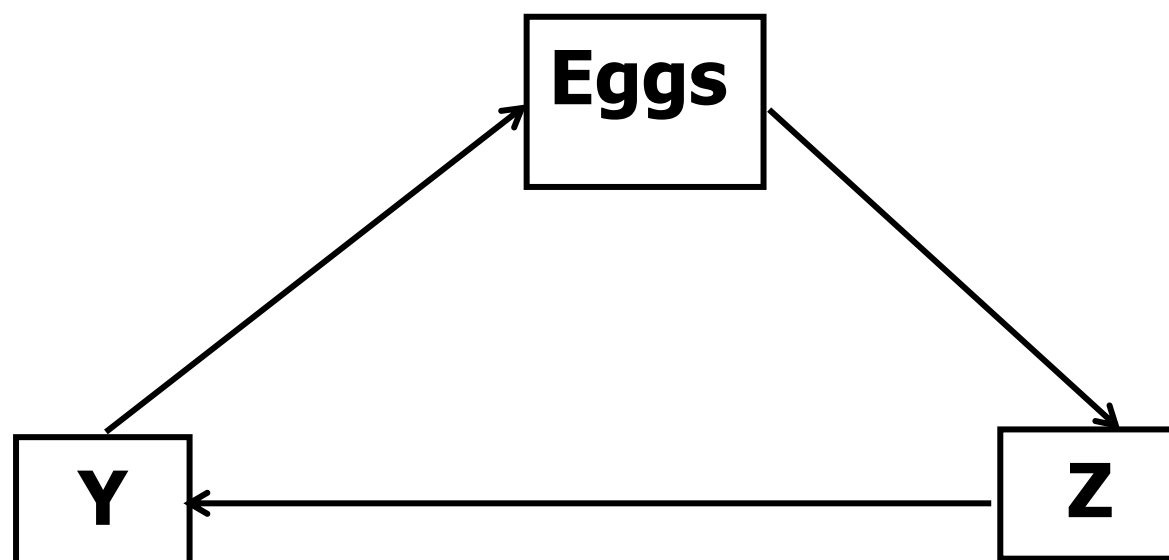
ii) Sight .....

b) Give any **two** ways of caring for the above body parts.

i) .....

ii).....

42. The diagram below shows the life cycle demonstration of a grasshopper. Study and use it to answer the questions that follow.



a) Name the stages marked **X** and **Z**.

i) **Y** .....

ii) **Z** .....

b) How is stage marked **Y** useful to people?

.....

c) Which stage in the life cycle of a housefly is similar to stage **Z**?

.....

43. a) Write down any **two** causes of accidents at school.
- i) .....
- ii) .....
- b) How should an accident victim be treated?
- .....
- c) Give any **one** reason why an accident victim should be given the above treatment.
- .....



44. In the table below, part **A** shows materials used to promote personal hygiene and part **B** has the uses of the materials.

Part <b>A</b> : Materials	Part <b>B</b> : Uses
Towel	For brushing teeth daily
Pumice stone	For grooming body nails
Razorblade	For scrubbing feet
Toothbrush	For wiping the body after bathing

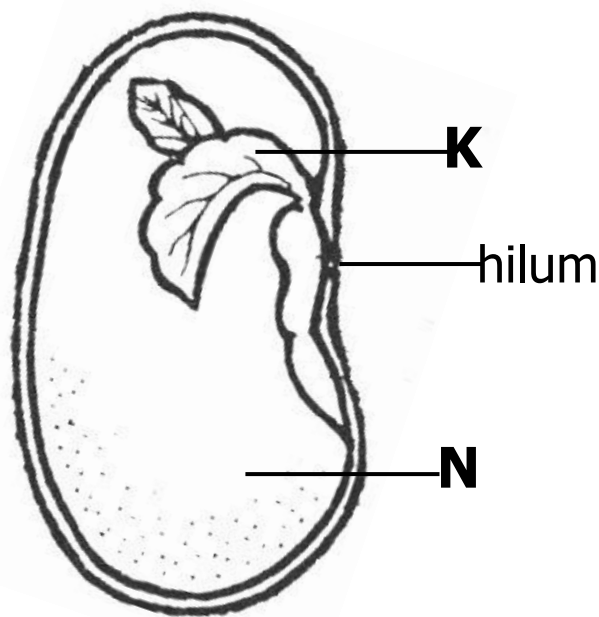
Use the uses in part **B** of the table to match the materials below.

- a) Towel .....
- b) Pumice stone .....
- c) Razorblade .....
- d) Toothbrush .....
45. a) Write down any **two** reasons why animals move from one place to another.
- i) .....
- ii) .....
- b) Give any **two** ways in which domestic animals can be harmful to people.
- i) .....
- ii) .....

46. a) Write down any **two** examples of crops that are harvested year after year.
- i) .....
- ii) .....
- b) Give any **two** reasons why crop farmers prune their crops in the garden.
- i) .....
- ii).....



47. The diagram below is of a type of seed. Study it and answer the questions that follow.



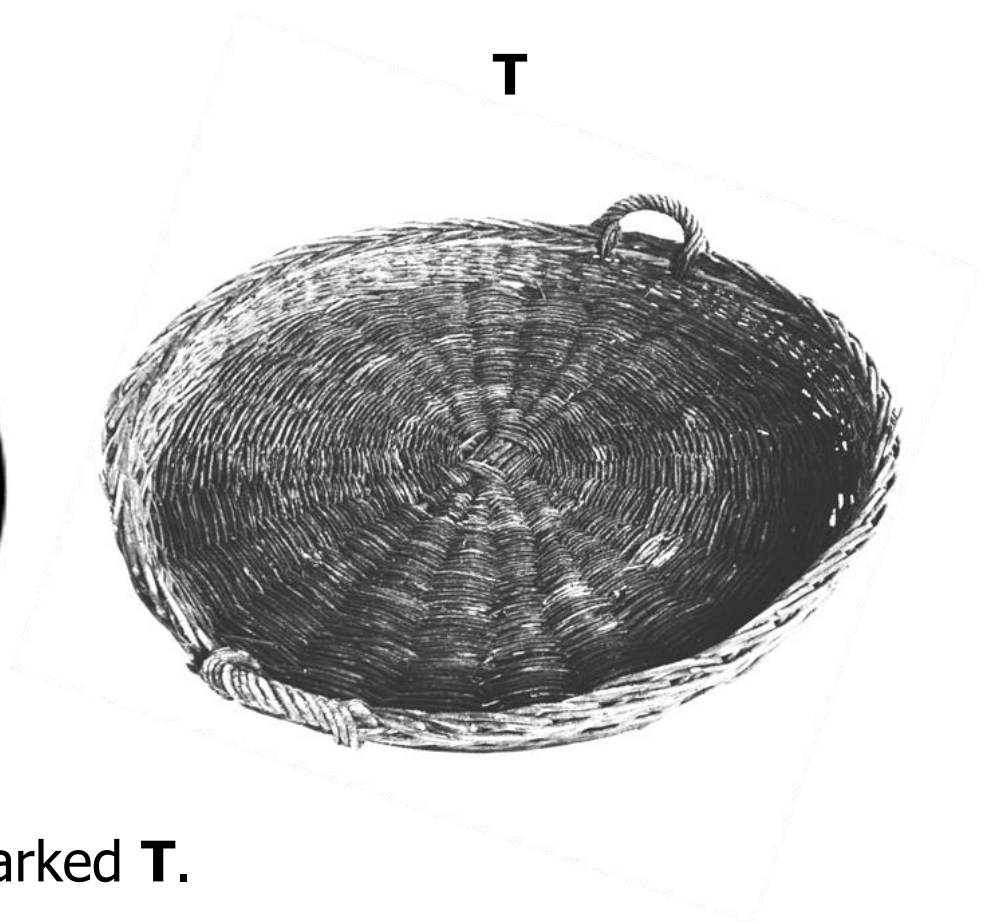
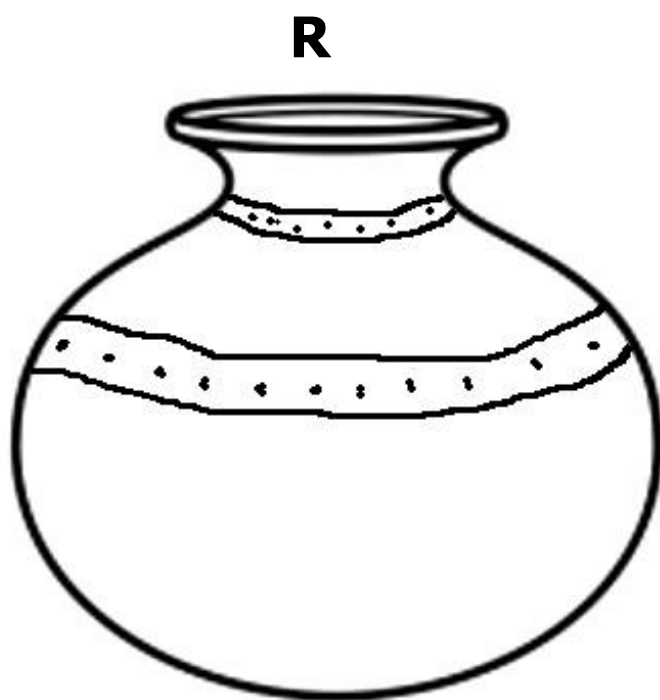
- a) What type of seed is shown above?
- .....
- b) Name the part marked **K**.
- .....
- c) Give the function of part **N** on the above seed.
- .....
- d) On the diagram above, label the seed coat.
48. a) Name the component of air that has the least percentage.
- .....
- b) Give any **one** property of air.
- .....
- c) State any **two** uses of air to people.
- i) .....
- ii) .....




49. a) Give any **two** examples of natural changes in the environment.
- i) .....
- ii) .....
- b) State any **one** effect of natural changes in the environment.
- .....
- c) In which **one** way can natural changes be managed in the environment?
- .....



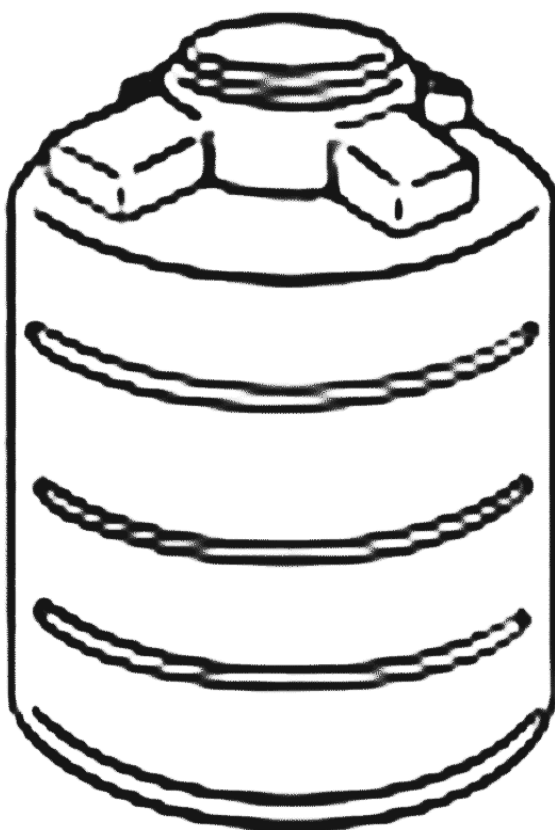
50. The diagram below shows craft products. Study and use it to answer questions that follow.



- a) Name the craft product marked **T**.
- .....
- b) Identify the material used to make the product marked **R**.
- .....
- c) How is the craft product marked **T** useful to people?
- .....
- d) Mention any **one** other craft product made from the material identified in (b) above.
- .....

51. a) Write down any **two** of the **4FS** in germ path.  
 i) .....  
 ii) .....  
 b) Which vector is active in the **4FS** germ path?  
 .....  
 c) How is the above vector able to spread germs?  
 .....
52. a) Give any **two** signs and symptoms of **HIV/AIDS**.  
 i) .....  
 ii) .....  
 b) State any **two** ways of preventing **HIV/AIDS** among people.  
 i) .....  
 ii) .....  

53. a) Write down any **one** thing that makes food dirty.  
 .....  
 b) State any **one** danger of eating dirty food to a person.  
 .....  
 c) Give any **two** ways of keeping food safer for a long time.  
 i) .....  
 ii) .....
54. a) State any **two** signs of crops damaged by pests.  
 i) .....  
 ii).....  
 b) Give any **two** parts of the plant that are damaged by pests.  
 i) .....  
 ii).....

55. The diagram below shows an item used to harvest water at school. Study and use it to answer the questions that follow.



- a) Name the water harvesting item shown above.

.....

- b) What is the main source of water harvested using the above item

.....

- c) Give any **one** use of water got from the above item.

.....

- d) State any **one** way of caring for the above item.

.....



