



SUREKEY EXAMINATIONS BOARD
LOWER PRIMARY TRANSITIONAL MOCK EXAMINATION
2023

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index 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 immunisable disease that makes the child lame.

.....

2. Which element of weather leads to landslides?

.....

3. State any **one** use of soap in promoting sanitation at school.

.....

4. State any **one** agent of soil erosion.

.....

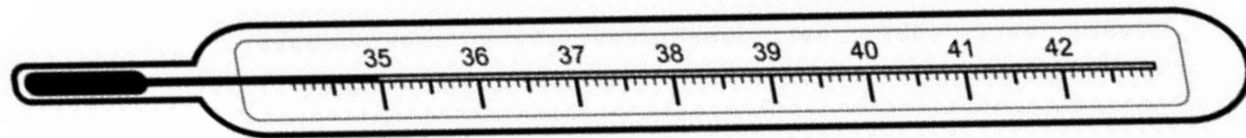
5. In which way is a latrine useful at school?

.....

6. State any **one** way in which the brain is an important organ in the body.

.....

The diagram below shows a medical tool. Use it to answer questions **7** and **8**.



7. Name the medical tool drawn below.

.....

8. How is the above medical tool important to a school nurse?

.....

.....

9. Name the domestic animal that barks at strangers who come at home.

.....

10. Give **one** advantage of thinning crops in the garden.

.....



11. How does a bedbug benefit from producing unpleasant smell?
.....
12. State any **one** way in which a frog benefits from water.
.....
13. Which part of a plant develops into a flower?
.....
14. What health habit should a pupil do to him/herself after picking rubbish in the compound?
.....
15. Name the part of the body that is cleaned using a dental floss.
.....
16. Write down any **one** way of controlling the spread of COVID 19 at school.
.....
17. How is a fire extinguisher useful at school?
.....
18. State any **one** importance of laying our beds every morning.
.....
19. Write down any **one** cause of dehydration in babies.
.....
20. Which part of an insect has the same function as the ears of a lion?
.....
21. State any **one** role of a mother at home.
.....
22. Why is photosynthesis unable to take place at night?
.....
.....
23. Give any **one** cause of road accidents in our community.
.....



24. State any **one** way of controlling mosquitoes at home.
.....
25. Give any **one** way in which people use electricity in their homes.
.....
26. State any **one** way in which farm records are important to farmers.
.....
27. Give any **one** way in which people reduce fats from increasing at home.
.....

Below is a diagram showing food being cooked. Use it to answer questions **28** and **29**.



28. Name any **one** food stuff prepared as shown above.
.....
29. Give any **one** reason why people prepare food as shown above.
.....
30. Give any **one** way of caring for sick people in our community.
.....



31. Which gas causes a panga to rust when left in water?
.....
32. Mention any **one** animal that has 8 legs.
.....

33. Give any **one** way in which papyrus mats are useful to people.

.....

34. Which deficiency disease is caused by lack of vitamin B3 in a diet?

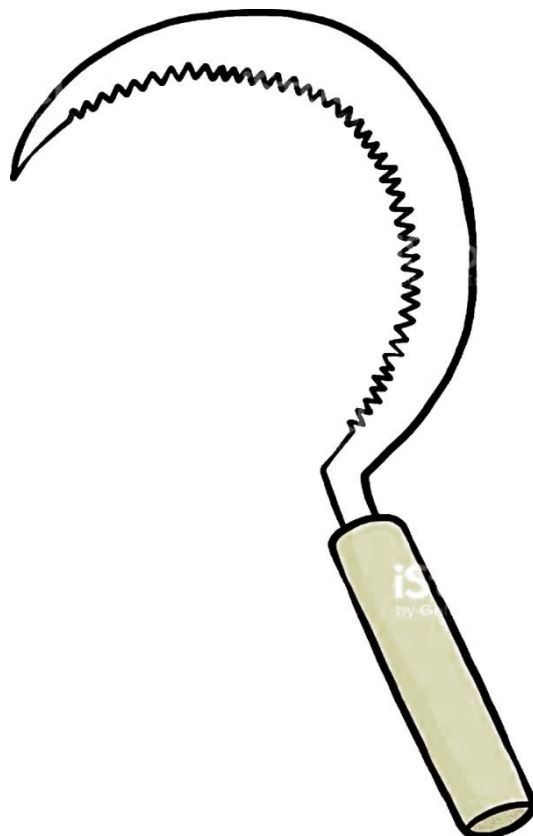
.....

35. How is a stretcher useful when giving first aid?

.....

.....

The diagram below shows a garden tool. Use it to answer questions **36** and **37**.



36. Name the garden tool shown above.

.....

37. How is the above garden tool useful to crop farmers?

.....

38. Name any **one** artificial source of light at home.

.....

39. Give any **one** characteristic that shows that a chameleon has life.

.....

40. State any **one** effect of pests to crops in the garden.

.....

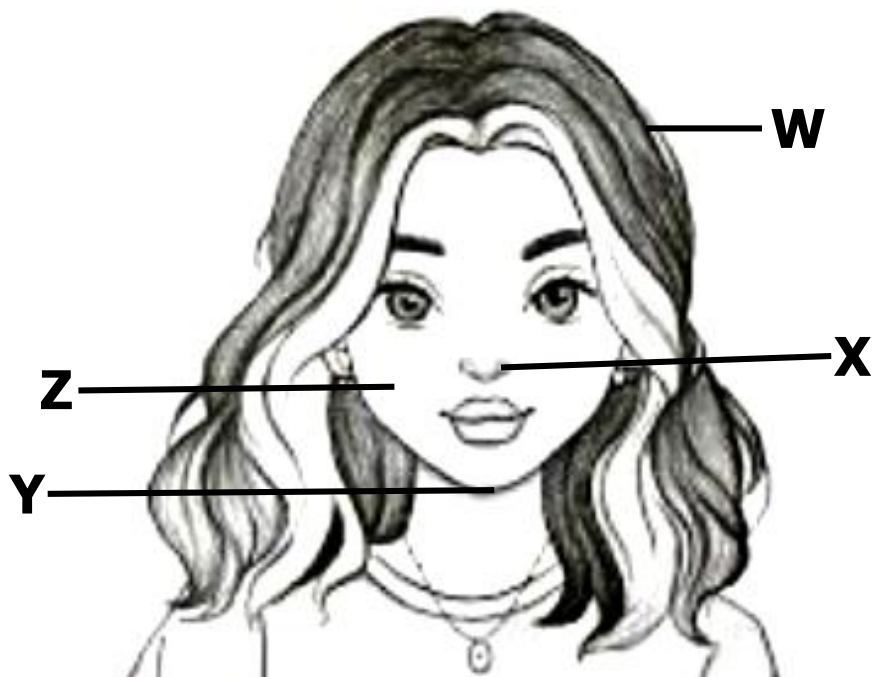


SECTION B: 60 MARKS

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

41. (a) Name the part of a flower that;
- (i) Attracts pollinators
 - (ii) Protects the flower at bud stage
- (b) Give any **two** ways in which flowers are important to people
- (i)
 - (ii)

42. The diagram below shows a human head. Study and use it to answer the questions that follow.



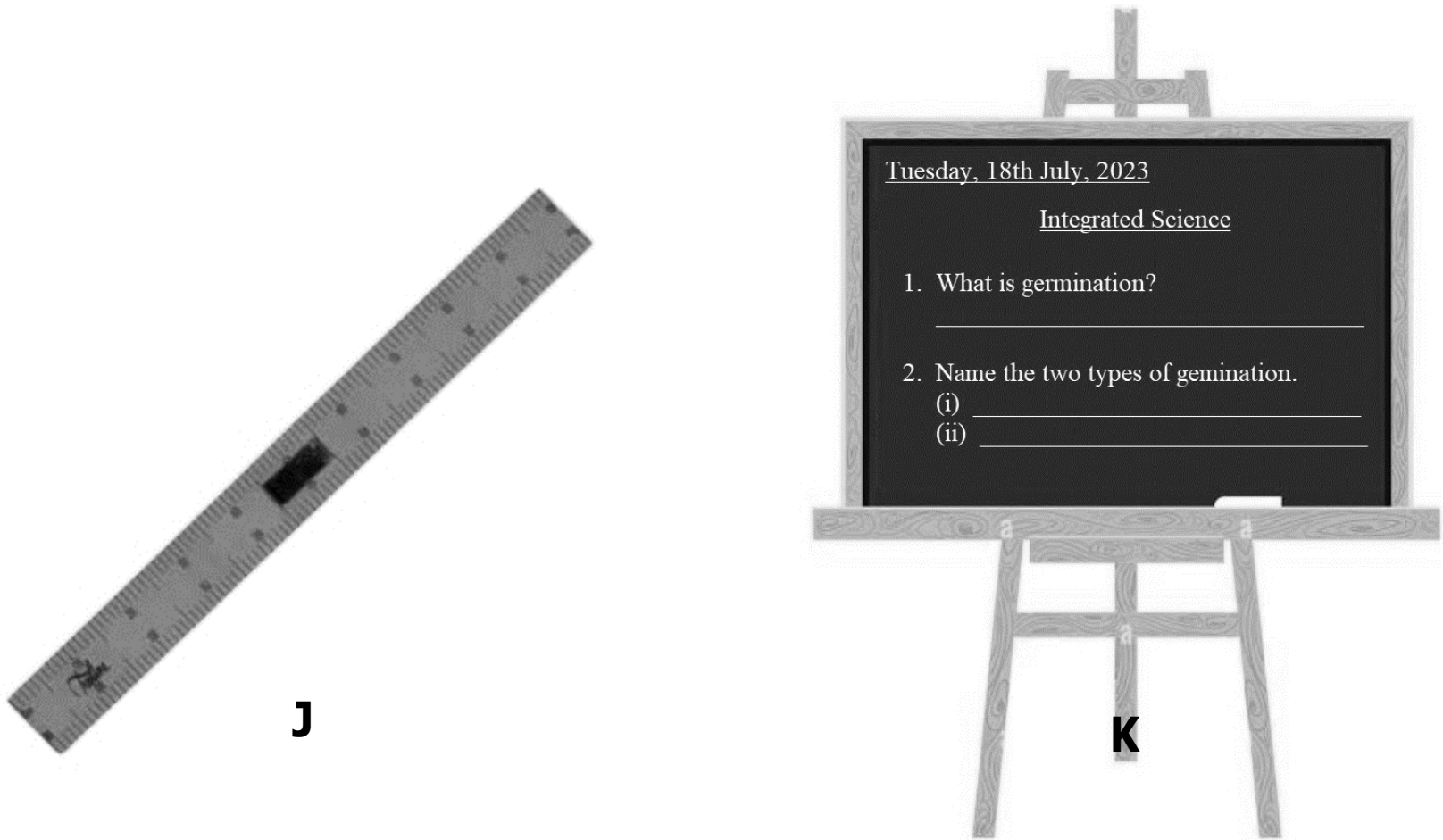
- (a) Name the parts marked **Y** and **Z**.
- (i) **Y**
 - (ii) **Z**
- (b) How is part **X** useful to a person?
-
- (c) State any **one** way of caring for part **W**.
-
43. (a) Mention **two** processes that form soil in an area.
- (i)
 - (ii)
- (b) Which component of soil is formed from rotten cow dung?
-

(c) Apart from the component of soil given above, name any **one** other component of soil.

.....



44. The diagrams below show items commonly found in the classroom. Use them to answer the questions that follow.



(a) Name the craft material used to make the items shown above.

.....

(b) How is item marked **K** useful to a teacher of Science?

.....

(c) Mention any **two** other products made from the craft material named in (a) above.

(i)

(ii)

45. (a) Apart from sun drying, name **one** other local method of preserving food.

.....

(b) Write down any **two** food stuffs preserved by sun drying.

(i)

(ii)

(c) Give any **one** reason why people preserve food.

.....

46. In the table below, part **A** shows materials used to clean our body and part **B** has their uses but in wrong order.

Part A: Materials	Part B: Uses
Sponge	For cutting body nails
Pumise stone	For wiping the body after bathing
Towel	For scrubbing dirt from the skin
Nail cutter	For scrubbing feet

Match correctly the materials with their uses in list B.

- (i) Sponge
- (ii) Pumise stone
- (iii) Towel
- (iv) Nail cutter

47. (a) Which group of crops grow and mature in one season?

.....

- (b) List down any **two** examples of such crops.
- (i)
 - (ii)

(c) Give any **one** method used to harvest such crops.

.....

48. (a) Name the body organ that enables a person to;
- (i) think
 - (ii) feel
- (b) State any **two** ways of caring for body organs named in (a) above.
- (i)
 - (ii)

49. The diagram below shows objects that provide light in the environment. Study and use it to answer the questions that follow.



- (a) Name the primary source of light from the diagram above

 (b) Which object from the diagram above provides light at night?

 (c) State the element of weather got from the object marked **U**.

 (d) Give any **one** use of the element of weather stated in (c) above to people.



50. (a) Which disease requires school children to follow PIASCY messages?

 (b) State any **one** sign of the disease shown above.

 (c) Write down any **two** PIASCY messages commonly displayed in school compounds.
 (i)
 (ii)

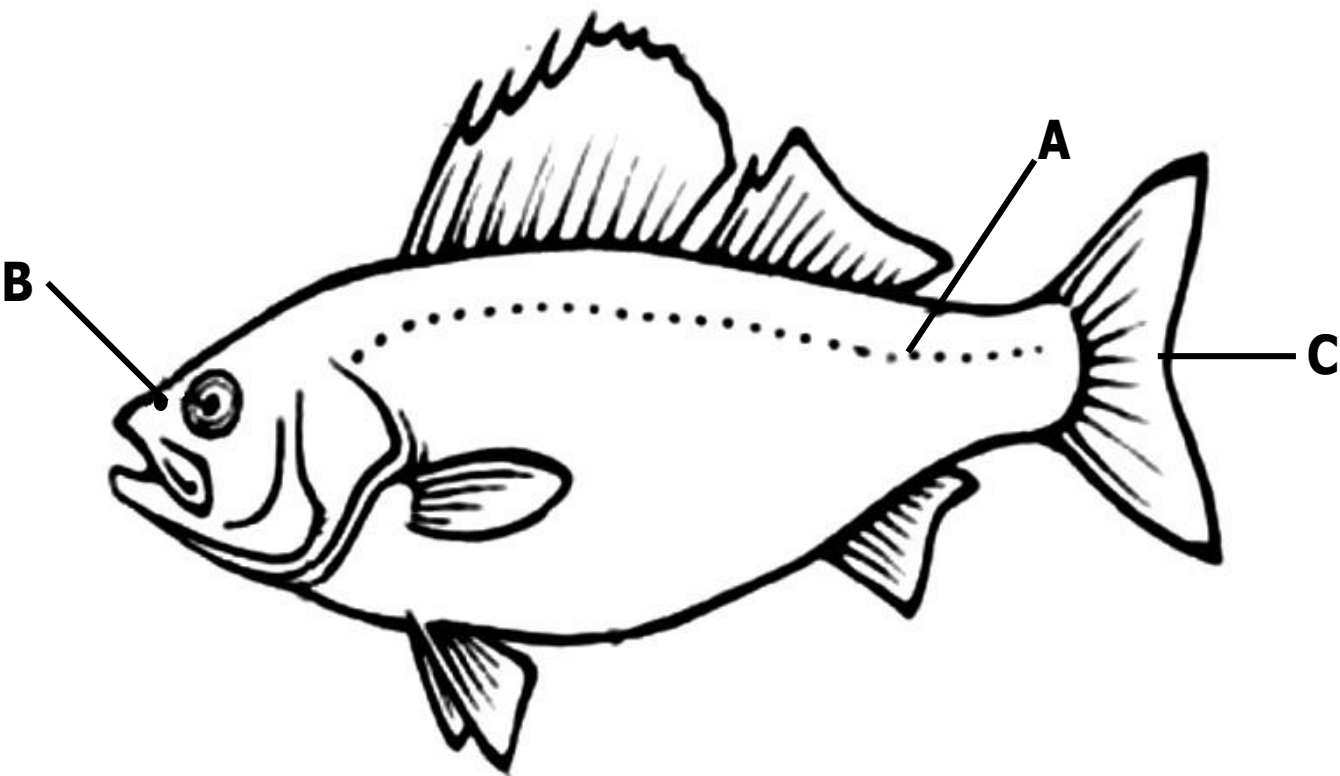
51. (a) Give any **two** sources of water in nature.
 (i)
 (ii)
- (b) State any **two** uses of water during cooking.
 (i)
 (ii)
52. (a) Identify the type of teeth seen when a person smiles.

- (b) How are the teeth identified in (a) above useful to a person?

- (c) Apart from the type of teeth above, name any **two** other types of teeth found in the mouth of a person.
 (i)
 (ii)
53. (a) Write down any **two** types of germs.
 (i)
 (ii)
- (b) Give any **one** way in which germs spread.

- (c) State any **one** way in which the spread of germs can be controlled.

54. The diagram below shows an aquatic creature. Use it to answer the questions that follow.



- (a) Why is the animal above called an aquatic creature?
.....
- (b) Name the parts marked **A** and **C**.
 - (i) **A**
 - (ii) **C**
- (c) How is part marked **B** useful to the above creature?
.....

55. (a) Write down any **two** examples of people made changes in the environment.
- (i)
 - (ii)
- (b) State any **two** effects of people made changes in the environment.
- (i)
 - (ii)



