



SURREKEY EXAMINATIONS BOARD
PRIMARY FOUR LPTE PREPARATION SET 2
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 type of cloud that promotes plant growth.

.....

2. Which animal product is used to make shoes?

.....

3. State any **one** characteristic of clay soil.

.....

4. Give any **one** way of caring for sick children at home.

.....

The diagram below shows a message commonly found in the school compound.
Use it to answer questions **5** and **6**.



5. Identify the programme that emphasizes the above message.

.....

6. How is the above message useful to school children?

.....

7. Write down any **one** activity done to conserve trees in the environment.

.....

8. Give any **one** advantage of pruning crops in the garden.

.....

9. Name the body organ that enables a primary four child to listen to the teacher during a lesson.

.....

10. How does a caterpillar benefit from its prickly hair?

.....



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

.....

The diagram below shows a garden tool. Use it to answer questions **12** and **13**.



12. Name the garden tool above.

.....

13. How is the above garden tool important to a crop farmer?

.....

14. Why should water obtained from open wells be boiled before drinking it?

.....

15. State any **one** way in which a rabbit benefits from a bean plant.

.....

16. State any **one** way of reducing dust in the school compound.

.....

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

.....

18. How can germs be removed from hands after visiting a latrine?

.....

19. Mention any **one** local method of keeping food safe for future use.

.....

20. Name the gas contained in a fire extinguisher.

.....



21. State any **one** role of children at home.

.....

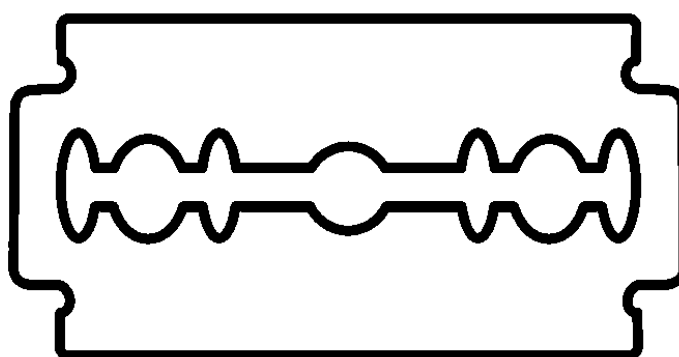
22. How is the function of stomata in a leaf similar to that of gills in a fish?

.....

23. State any **one** way of protecting domestic animals from diseases.

.....

The diagram below shows an item used to promote personal hygiene.
Study it and answer questions **24** and **25**.



24. Name the item used to promote personal hygiene above.

.....

25. Give any **one** way in which the above item helps to promote personal hygiene.

.....

26. Write down any **one** cause of natural changes in the environment.

.....

27. How is a safety pin useful when giving first aid?

.....

28. What happens to a fish when removed from water?

.....

29. Give any **one** way of controlling aphids in the garden.

.....

30. How are rats similar to snakes in the way they live?

.....



31. Which component of soil is formed from animal wastes?

.....

32. Give any **one** use of water in promoting sanitation.

.....

33. State any **one** way in which windy weather is useful to people.

.....

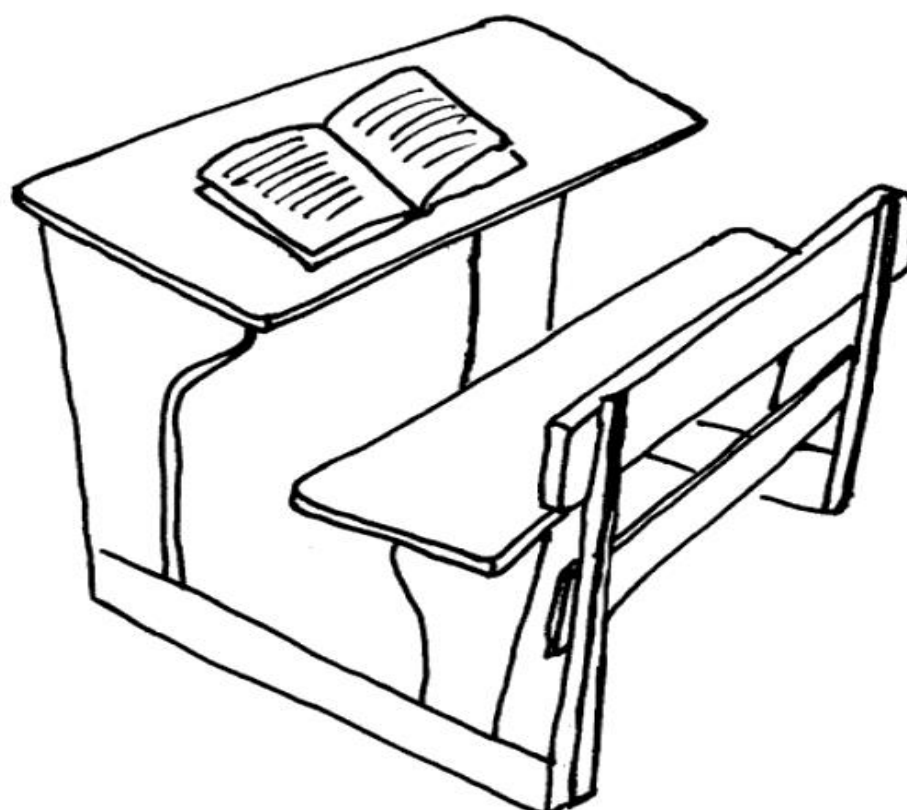
34. Give any **one** way of preventing germs from food.

.....

35. Which condition is prevented by painting metals?

.....

The diagram below is of an item commonly found in the classroom.
Study and use it to answer questions **36** and **37**.



36. Name any **one** source of raw material commonly used to make the above item.

.....

37. In which way is the above item useful to school children?

.....

38. Give the meaning of the term environment.

.....

.....

39. Give any **one** effect of too much sunshine in an area.

.....

40. In which **one** way is a cat useful at home?

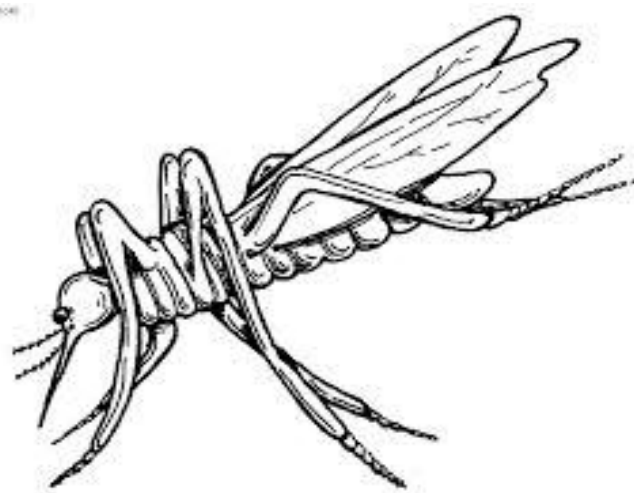
.....



SECTION B: 60 MARKS

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

41. The diagram below shows a disease vector. Study and use it to answer the questions that follow.



(a) Identify the disease vector shown above.

.....

(b) Mention any **two** diseases spread by the vector shown above.

(i)

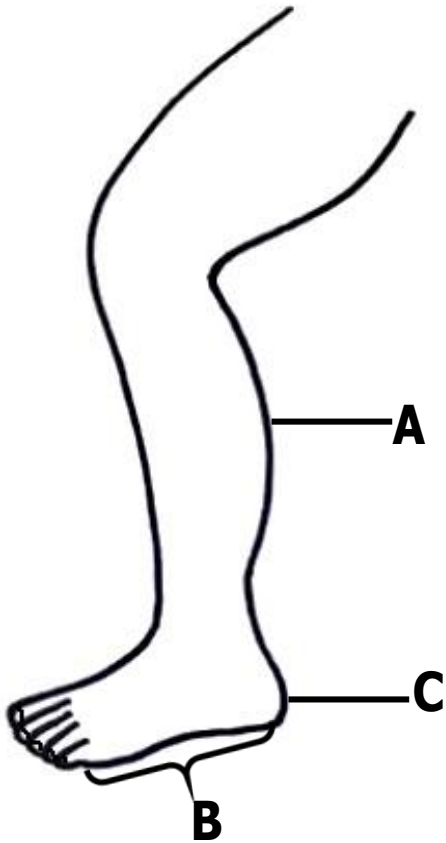
(ii)

(c) State any **one** way of controlling the above vector at home.

.....

42. (a) Mention **two** parts of the seed that store food.
(i)
(ii)
- (b) Give any **two** uses of seeds to people.
(i)
(ii)
43. (a) Name the weather instrument used to measure;
(i) Humidity
(ii) Air pressure.....
- (b) Mention any **two** elements of weather that supports plant growth.
(i)
(ii)

44. The diagram below shows part of the body. Study and use it to answer the questions that follow.



- (a) Name the parts labelled **A** and **C**.
(i) **A**
(ii) **C**
- (b) How is labelled **B** useful to a person while moving?
.....
- (c) State any **one** way of caring for the above part of the leg.
.....

45. The table below shows some components of the environment in part **A** and their uses in part **B**.

Part A : Components	Part B : Uses
Sun	Source of charcoal.
Lake	Source of water.
Rain	Source of fish.
plants	Source of heat.

Match correctly the components with their uses in the spaces provided below.

- (i) Sun.....
- (ii) Lake.....
- (iii) Rain.....
- (iv) Plants.....

46. (a) Mention any **two** materials that can be used to dispose wastes at home.

- (i)
- (ii)

(b) State any **two** dangers of poor disposal of wastes at home.

- (i)
- (ii)



47. (a) Give any **two** elements of a balanced diet.

- (i)
- (ii)

(b) State any **two** importance of having a balance diet.

- (i)
- (ii)

48. The picture below shows a method of harvesting crops. Study and use to answer the questions that follow.



- (a) Name the method of harvesting crops shown above.
.....
- (b) Write down any **two** crops harvested using the above method.
 - (i)
 - ii).....
- (c) Apart from the above method, give any **one** other method of harvesting crops in the garden.
.....

49. (a) Name the body sense detected by the;
- i) Ear
 - ii) Nose
- (b) State any **two** ways of caring for the ear and the nose.
- (i)
 - (ii)



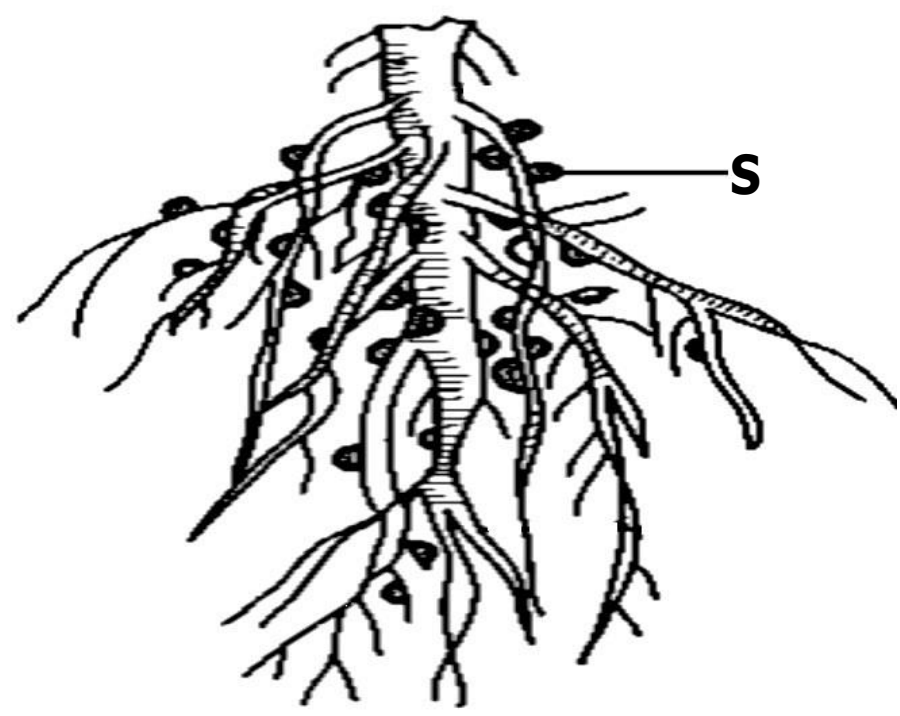
50. The table below shows a list of insects. Study and use it to answer the questions that follow.

E	F
Wasp	Housefly
Honey bee	Grasshopper
White ant	Bedbug
termite	flea

- (a) State any **one** characteristic common to all insects in the table above.
.....
- (b) Identify any **one** insect from the table which has no wings.
.....
- (c) Which list from the table above has insects that live and work together?
.....
- (d) Why would you place a cockroach in list **F** on the table above?
.....

51. (a) Name any **two** parts on the human body that need to be kept clean.
- (i)
 - (ii)
- (b) Mention any **one** disease that can break out when the body is not kept clean.
.....
- (c) State any **one** way of preventing such a disease mentioned in (a) above.
.....

52. The diagram below shows a type of root system. Study and use it to answer the questions that follow.



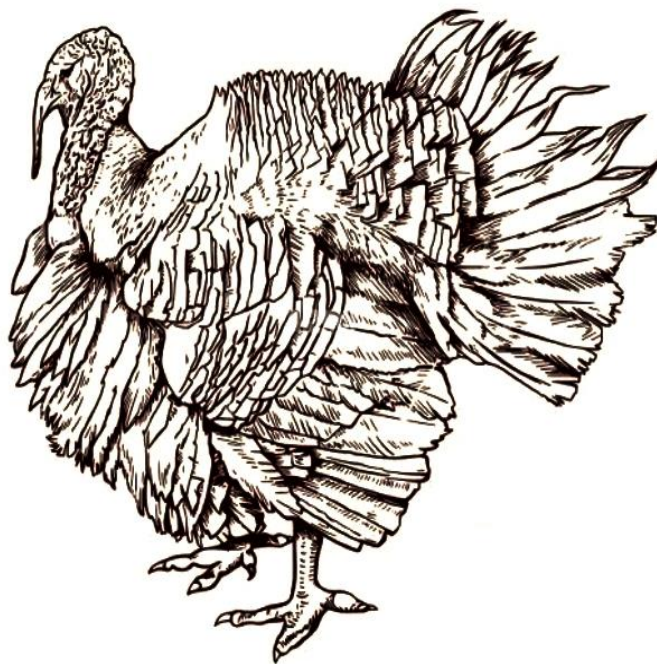
- (a) Identify the type of root system shown above.
.....
- (b) Give any **two** plants that grow the type of root system above.
 - (i)
 - (ii)
- (c) How is the root structure marked **S** important to a plant?
.....



53. (a) Write down any **two** components of a fertile soil.
- (i)
 - (ii)
- (b) Give any **two** ways in which a mother can make use of sand soil at home.
- (i)
 - (ii)

54. (a) Name the component of the environment that;
- (i) Can cause landslide
 - (ii) Can raise dust
- (b) State any **two** characteristics of air.
- (i)
 - (ii)

55. The diagram below shows a domestic bird. Study and use it to answer the questions that follow.



- (a) Name any **one** product got from the domestic bird shown above.
-
- (b) How is the movement of the above bird different from that of a frog?
-
-
- (c) State any **one** way of caring for the domestic bird shown above.
-
- (d) On the diagram above, label the beak.

