



SURREKEY EXAMINATIONS BOARD
PRIMARY FIVE END OF TERM ONE EXAMINATION
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 food value contained in honey.

.....

2. What happens to an insect when its abdomen is dipped in water?

.....

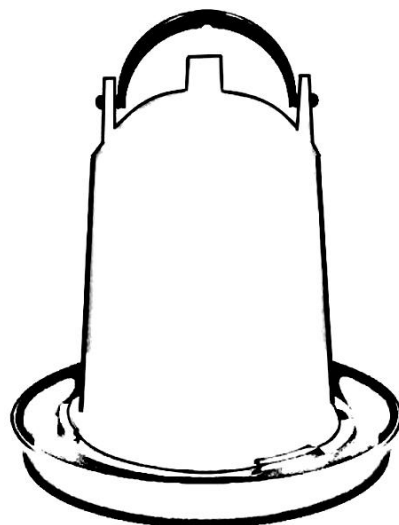
3. Which human body organ performs similar function as the gills of a Nile perch?

.....

4. Give any **one** disorder of the human digestive system.

.....

The diagram below is of an equipment found in a poultry house. Study and use it to answer questions **5** and **6**



5. Name the equipment shown above.

.....

6. How is the above equipment useful to a poultry farmer?

.....

7. Why do house flies lay eggs in decaying matter?

.....

8. Why is a Stevenson screen made of louvers?

.....

9. Where do leguminous plants store their seeds?

.....

10. How is the function of suckers similar to that of hooks in a tapeworm?

.....



11. How are latrines useful at home?

.....

12. By what process is rain formed?

.....

13. Give any **one** way of acquiring natural immunity.

.....

14. What first aid would you give to a child who has got a fracture?

.....

15. State any **one** importance of regular bathing to the human body.

.....

The diagram below shows a type of an annual crop. Use it to answer questions **16** and **17**.



16. Identify the type of annual crop shown above.

.....

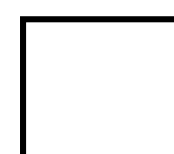
17. Mention any **one** other crop that belongs in the same type as the above crop.

.....

18. Give any **one** way in which human beings can prevent famine at home.

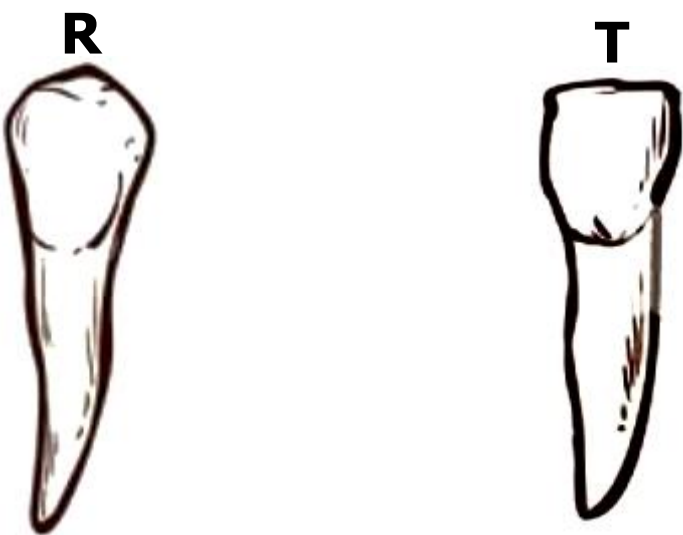
.....

19. How does boiling water make it safe for drinking?
.....
20. State any **one** use of wind to crop farmers.
.....
21. State any **one** way in which people use clay soil.
.....
22. Give any **one** advantage of feeding on a balanced diet.
.....
23. Which method is used to find the volume of a key?
.....
24. What is the importance of the spur to a cock?
.....
25. Give any **one** reason why people cut down trees.
.....
26. Apart from floods, give any **one** other example of a natural change in the environment.
.....
27. What is the main reason for mulching the soil?
.....
28. What type of honey bees make honey?
.....
29. How is a shadow formed?
.....
30. What determines the sinking or floating of an object in water?
.....
31. How is the sun useful in food preservation?
.....



32. Why is a tick referred to as a parasite?
.....
33. State any **one** sign of measles in children.
.....

The diagram below shows two types of teeth. Use it to answer questions **34** and **35**.



34. Name the tooth marked **T**.
.....
35. Give the function of tooth marked **R** to a person.
.....
36. Give any **one** reason why it is important to keep the classroom clean daily.
.....
37. What would you do to a knife to prevent it from rusting during storage?
.....
38. Why are beans grouped under legumes?
.....
39. Give the best method of preventing polio among children.
.....
40. How does a bedbug protect itself from enemies?
.....

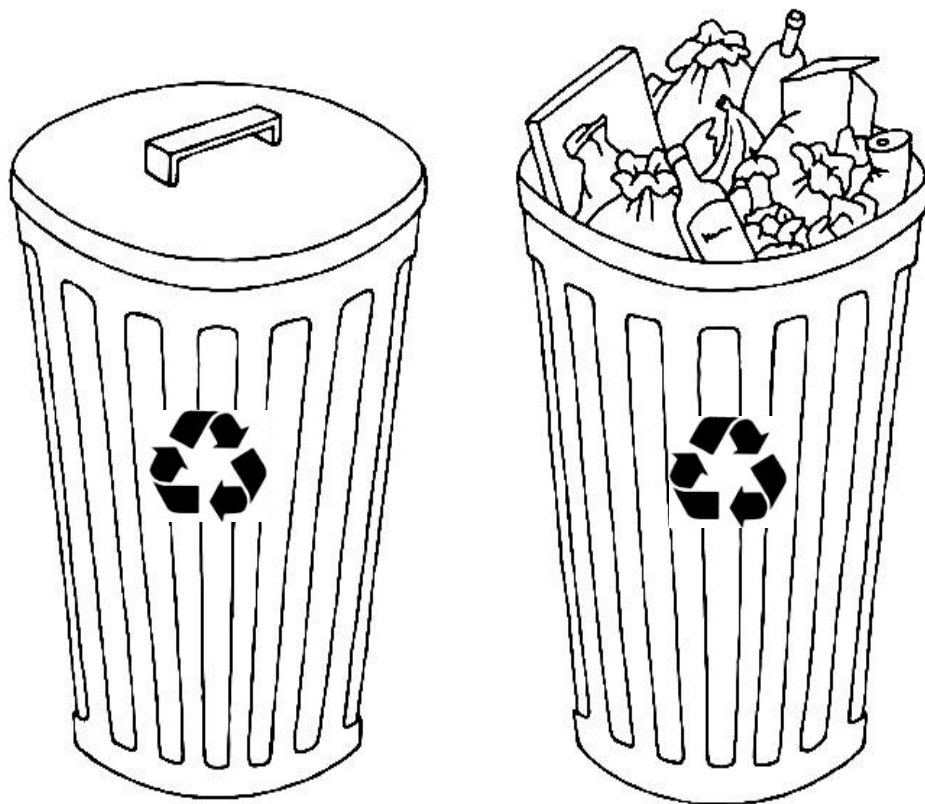


SECTION B: 60 MARKS

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

41. a) Name the storage facility that has rat guards on its stands.
.....
- b) What is the importance of rat guards on the storage facility above?
.....
- c) Apart from having rat guards, state any two other qualities of the storage facility given in **(a)** above.
- i)
- ii)

42. The diagram below shows an item commonly found in a school compound. Study it and use it to answer the questions that follow.



- a) Name the item shown in the above diagram.
.....
- b) How is the item shown above useful at school?
.....
- c) Give any **two** ways of caring for the above item.
- i)
- ii).....

43. In the table below, part **A** shows parts of a flower and part **B** shows the functions in their wrong order.

A: Parts	B: Functions
Sepal	Receives pollen grains during pollination
Anther	Attracts insects for pollination
Stigma	Protects the flower during bud stage
Petal	Produces pollen grains

Select from the table the collect function of the part and write in the spaces provided below.

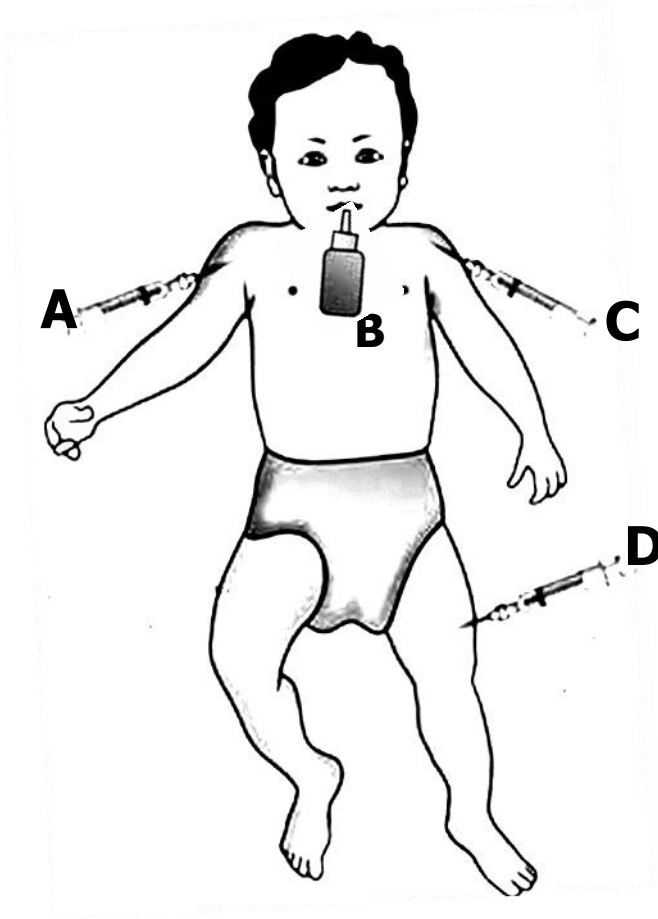
- a) Sepal
- b) Anther
- c) Stigma
- d) Petal



44. a) Which system of keeping poultry involves putting litter in a poultry house?
-
- b) Write down any **two** material used as litter in a poultry house.
- i)
- ii)
- c) State any **one** use of litter in a poultry house.
-

45. a) Give any **one** importance of each of the following gases to people.
- i) Oxygen
- ii) Carbon dioxide
- b) Mention any **two** examples of rare gases.
- i)
- ii).....

46. The diagram below shows how different vaccines are administered on the baby's body. Study and use it to answer the questions that follow.



- a) Name the vaccines administered at the sites marked **A** and **C**.
 - (i) **A**
 - (ii) **C**
- b) Mention any **one** disease that is immunised against using the vaccine administered at the site marked **D**.

.....
- c) How is the vaccine administered at site **B** different from the one administered at site **C**?

.....

- 47. a) Write down any **two** materials used to replace the lost water in the body.
 - i)
 - ii)
- b) Give **two** conditions that lead to lack of water in the body.
 - i)
 - ii)

48. The table below shows vectors, germs and diseases. Study and complete it correctly.

Vector	Disease	Germ
Lice	bacteria
.....	River blindness	worm
Water snail	worm
Aedes mosquito	Yellow fever

49. a) Name the human body organ that:
- i) Stores information.....
 - ii) Pumps blood.....
- b) Give any **two** ways of caring for human body organs.
- i)
 - ii)

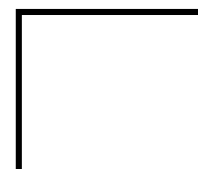
50. The following is a list of parts of the alimentary canal. Use it to answer the questions that follow.

mouth, gullet, stomach, ileum

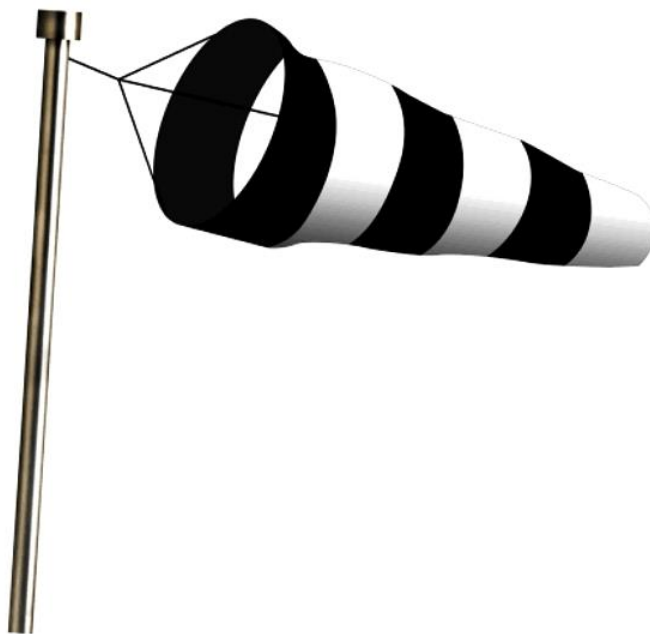
- a) In which part from the above list does peristalsis take place?
-
- b) Name any **one** part of the alimentary canal that is not represented in the above list.
-
- c) Identify the part from the above list where digested food is absorbed.
-
- d) How is the mouth and the stomach from the list above important during food digestion?
-



51. a) Mention **two** diseases that attack both rabbits and poultry.
- i)
- ii)
- b) Give any **two** reasons why people keep rabbits.
- i)
- ii)
52. a) Name the disease which results from lack of proteins in the body.
-
- b) State any **two** signs of the above deficiency disease in humans.
- i)
- ii)
- c) Give any **one** example of food which gives us proteins.
-
53. A primary five pupil accidentally poured paraffin in water.
- a) State what happened to paraffin.
-
- b) Give a reason for your answer in **(a)** above.
-
- c) Write down any **two** liquids that can behave in the same way as paraffin in water.
- i)
- ii)



54. a) Mention any **two** agents of soil erosion.
- i)
- ii).....
- b) State any **two** ways of controlling soil erosion.
- i)
- ii).....
55. The diagram below is of a weather instrument. Study and use it to answer questions that follow.



- a) Identify the weather instrument above.
-
- b) Which element of weather involves the use of the above weather instrument?
-
- b) Give any **two** disadvantages of the element of weather given in (b) above.
- i)
- ii)



