



SUREKEY EXAMINATIONS BOARD
PRIMARY FIVE END OF TERM TWO SET II
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 | | |

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SECTION A: QUESTIONS

Questions 1 to 40 (City Core Theme) Part

1. Name the component of air that gives the strength to the atmosphere.
2. What happens when a negative feedback loop occurs?
3. In which way is your sitting at desks a form of "artificial"?
4. Give any one way of preventing the effects of the urban atmosphere system.

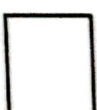
The diagram below is a tool used to measure the amount of light that is received by the sun. It is called the "solar constant" and is used to measure the amount of light that is received by the sun.



5. Name the unit shown above.
6. State the use of the above unit in physics.
7. Why do molecules in the air move in random motion?

8. In which **one** way do cooks at school make use of electricity?

9. Where are seeds of leguminous plants found?



10. How is the function of sepals in flowers similar to that of leaves?

11. Give **one** reason why farmers carry out cross breeding on their farms.

12. In what state of matter is water vapour?

13. Give any **one** way babies acquire natural immunity.

14. Mention any **one** material used to make crutches.

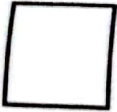
15. In which **one** way are physical exercises important to human health?

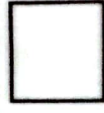
The diagram below shows a part of a certain crop. Use it to answer the questions **16** and **17**.



16. To which group of crops does the above crop drawn belong?

17. Give **one** reason to support your answer in 16 above.

18. How does regular deworming control tapeworm in the human body?
.....
19. Which method of food preservation provides cold conditions to prevent the multiplication of bacteria?
.....
20. State the role of the heart in the human body.
..... 
21. How is sand adapted to being used for washing saucepans at home?
.....
22. State **one** danger of sharing a living house with chicken.
.....
23. Which part of a bean seed stores food for the growing seed embryo?
.....
24. Why is silver not commonly used in making saucepans?
.....
25. Mention **one** factor considered when sorting seeds for planting.
.....
26. Give **one** way rabbit farmers carryout culling on their farms.
.....
27. How best can a mother prevent the outbreak of deficiency diseases among her baby below six months?
.....
28. State **one** effect of floods in the environment.
.....
29. How is a fork useful at home?
.....
30. What happens when water when a feather is put in water?
.....



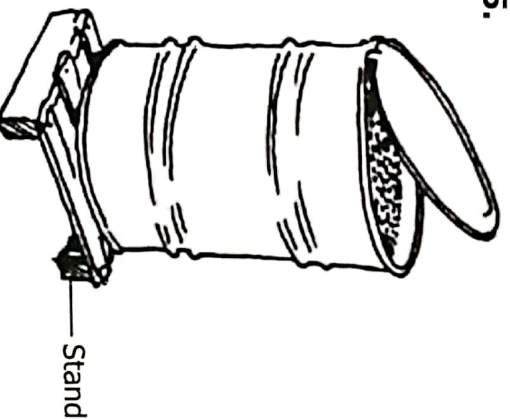
31. What is the incubation period of a hen?

32. Give any **one** property of air.

32. How does upthrust force affect objects when put in water?

33. In which **one** way does a poultry farmer protect the chicks against eagles?

The diagram below shows a simple crop storage facility. Use it to answer the questions **34** and **35**.



34. Why should the above storage structure be kept covered?

35. State the importance of the stand on the above storage structure.

36. Name **one** eye disease that is spread by a housefly.

37. Give any **one** way of saving firewood at home.

38. Give any **one** feature of incisors that make them suitable for biting a mango fruit?

39. Give any **one** sign of Hepatitis B in babies.

40. Give any **one** way termites benefit from the soil.



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) State any **two** indicators of infertile soil.

i)

ii)

b) Give any **two** ways of preventing soil infertility.

i)

ii)

42. The diagram below shows poultry vice. Study and use it to answer the questions that follow.



a) Name the poultry vice shown in the diagram above

b) Give any **one** cause of the above poultry vice among domestic birds.

- c) State any **two** ways controlling the above poultry vice on the poultry farm.

i)
 ii)

43. In the table below, **Part A** shows apart of digestive system. **Part B** shows the digestive juices secreted. Match correctly.

| Part A: Part of digestive System | Part B: Digestive juice secreted |
|----------------------------------|----------------------------------|
| a) Stomach | Pancreatic juice |
| b) Mouth | Bile juice |
| c) Liver | Gastric juice |
| d) Pancreas | saliva |

- a) Stomach
 b) Mouth
 c) Liver
 d) Pancreas



44. a) Give **two** examples of natural materials used in basic technology in your community.

i)
 ii)

- b) In which **two** ways do people make use of the above natural material mentioned in 44 a) above?

i)
 ii)

45. a) Name the diarrhoeal disease characterized by passing out watery blood stained faeces.

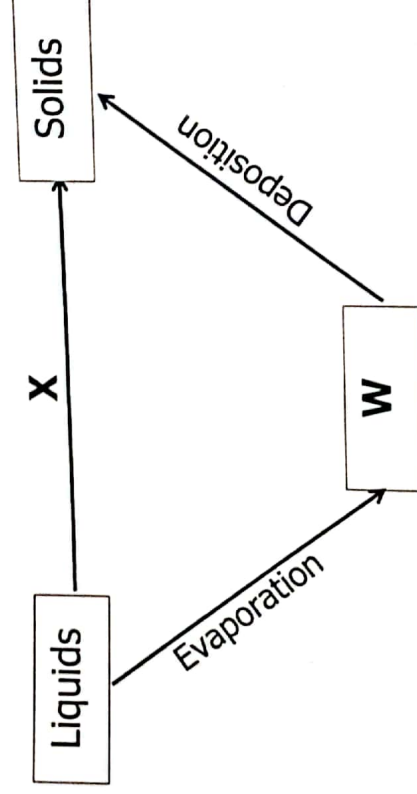
b) Give any **one** way the disease mentioned in 45a) above can be spread.

c) State any **two** ways of controlling the spread of the above disease mentioned in 45a).

i)

ii)

46. The diagram below illustrates the states of matter and their way of changing. Study and use it to answer the questions that follow.



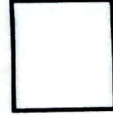
a) What do the letters **X** and **W** represent in the above illustration?

i) **X**

ii) **Y**

b) From the above illustration, identify the process that requires heat gain to take occur.

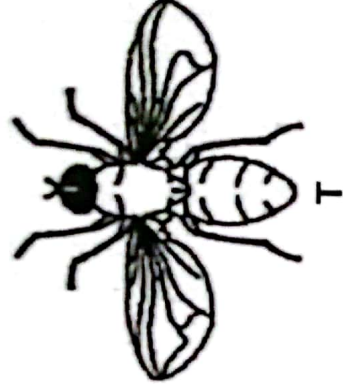
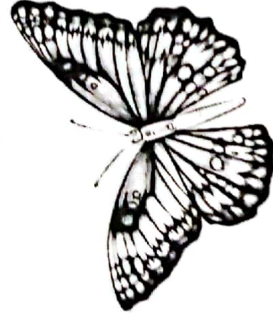
c) State any **one** effect of the process marked with letter **X** on liquids.



47. a) Mention any **two** exotic breeds of rabbits reared in Uganda.
i)
ii)
b) In which **two** ways should farmers do to improve on quality of their breeds of rabbits?
i)
ii)
48. a) State the function of the following weather instruments;
i) Wind sock
ii) Anemometer
b) In which **two** ways is wind dangerous to people?
i)
ii)
49. a) Which type of family is made up of father, mother and their biological children?
.....
b) Apart from the above type of family mentioned in 49a), give any **two** other types of family.
i)
ii)
c) In which **one** way do children assist their parents in doing work at home?
.....



50. The diagram below shows two insects. Study and use it to answer the questions that follow.



- a) Name the larva stage of insects marked **T** and **S**.
- i) **R**
- ii) **T**
- b) State **one** way insect marked **R** is important to crop farmers.
-
- c) Apart from spreading diarrhoeal diseases, how else is insect marked **T** dangerous to human life?
-
51. a) Give the function of the following parts to the human body.
- i) Fingernails
- ii) Head
- b) Give any **two** ways of caring for the human body.
- i)
- ii)
52. a) Give any **two** common enemies of bees in the hive.
- i)
- ii)
- b) State any **two** ways of protecting honey bees against their enemies.
- i)
- ii)





55. a) The mass of an object is 150g and volume of 3cc. Find the density of the object. (2marks).

b) Give any **two** importance of density to people.

i)

ii)