



SURREKEY EXAMINATIONS BOARD  
PRIMARY FIVE QUALITY CHECK THREE  
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		

## SECTION A: 40 MARKS

Questions **1** to **40** carry **one mark** each

1. Name the planting material for a carrot.

.....

2. State any **one** advantage of keeping fingernails short.

.....

3. What piece of advice would you give a poultry farmer whose chicken lay soft shelled eggs?

.....

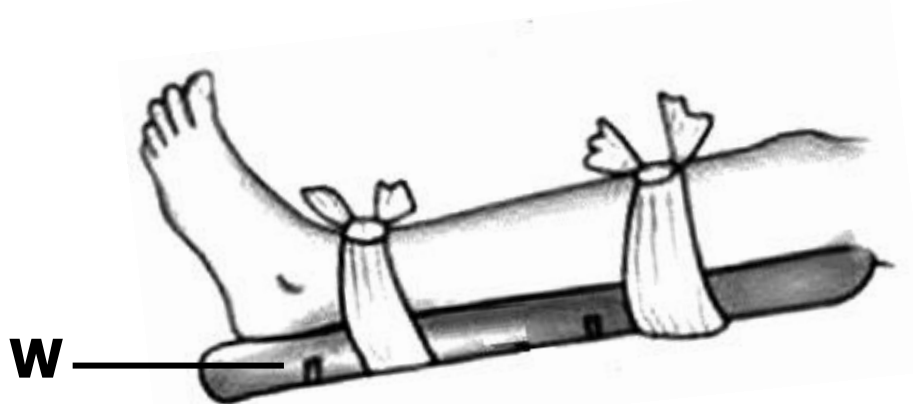
4. What is the use of an axe at home?

.....

5. Name the type of soil best for crop growing

.....

The diagram below shows a person with an injury. Use it to answer question **6**



6. How useful is the structure marked **W** to the injured person?

.....

7. Apart from pine, give any **one** other example coniferous plants.

.....

8. Name any **one** animal that lives in water.

.....

9. Give any **one** reason why people keep dogs in their homes.

.....

10. Why do farmers provide shelter to transplanted seedlings in the garden?

.....

11. Apart from smoking, give **one** other method of preserving of cassava.

.....

12. Why is it important for the family members to sleep under treated mosquito nets at night?

.....

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

.....

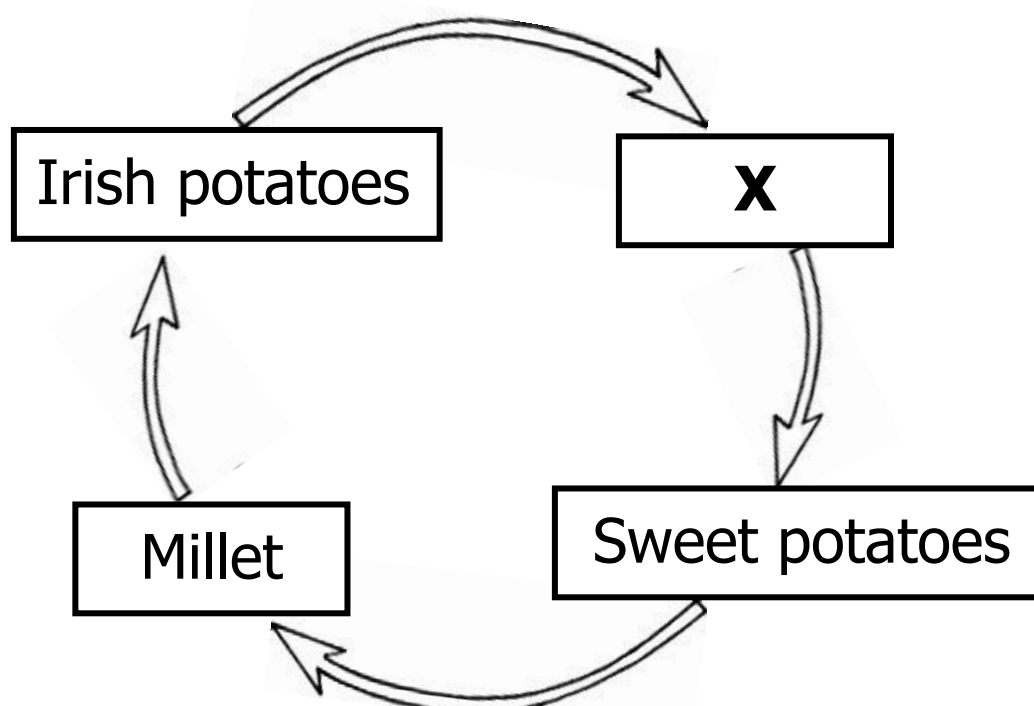
14. State **one** habit which helps to reduce houseflies in an area.

.....

15. State **one** use of soil to termites.

.....

The diagram below shows a crop rotation cycle. Study it carefully and answer questions **16** and **17**.



16. Mention any **one** crop that can be included in the rotation cycle at part marked **X**.

.....

17. Give a reason to support your answer you have mentioned in **16** above.

.....

18. Name the non-infectious disease that affects the human eyes.

.....

19. How is grass useful in rain formation?

.....

20. State any **one** method used to make water safe for drinking.

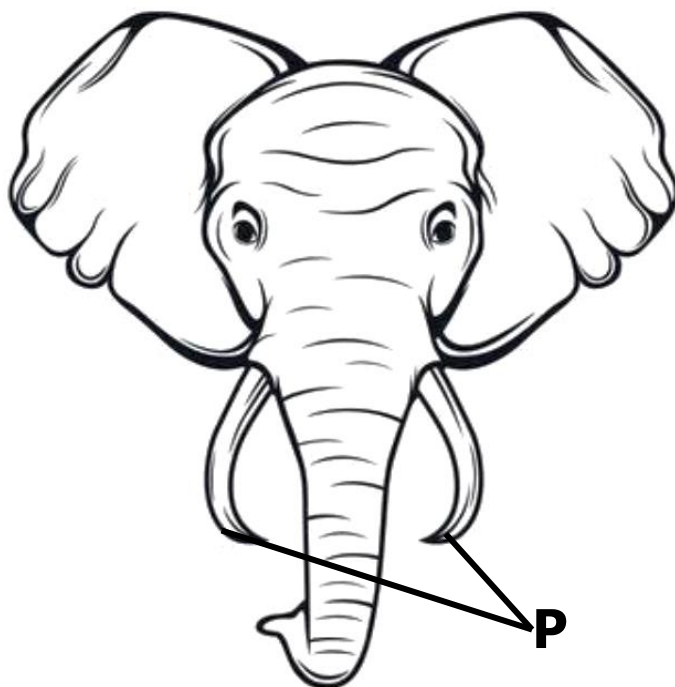
.....



21. Give any **one** way in which a teacher in charge of health at school can identify whether P.5 children were immunized against tetanus or not.

.....

The diagram below is of a head of a wild animal. Study it carefully and answer question **22** and **23**.



22. Name the wild animal with such a head.

.....

23. State the function of parts marked with letter **P** to the above animal.

.....

24. Give any **one** effect of poor disposal of infant's faeces in the environment.

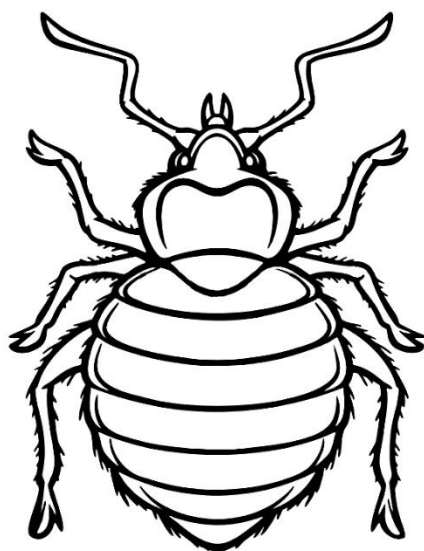
.....

25. Apart from the adult stage, at what stage of development is a butterfly active?

.....

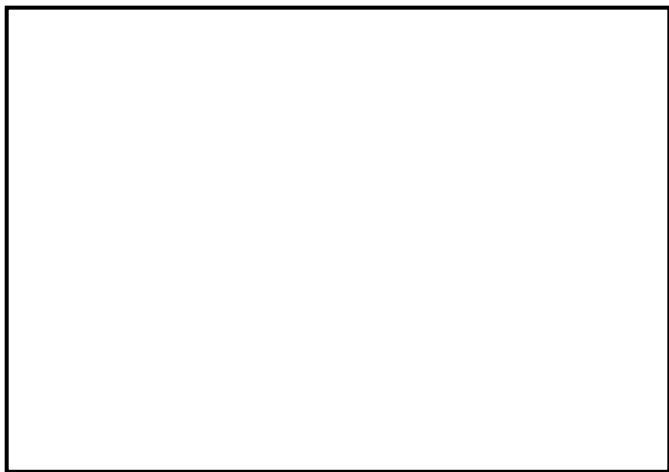
26. Which component of air is added to the atmosphere during photosynthesis?  
.....
27. Give any **one** way of keeping the digestive system in good working conditions.  
.....
28. State **one** way in which a child gets immunity artificially.  
.....
29. Which type of weather makes people to put on light clothes?  
.....

The diagram below is of a common vector. Use it to answer question **30**.



30. Which disease does the above vector spreads to human beings?  
.....
- 
31. Why should a person who has taken paraffin advised to take plenty of milk?  
.....
32. What name is given to rearing of honey bees?  
.....
33. Which part of the tooth detects coldness of ice cream?  
.....
34. Name the type of germs that causes ringworm in humans.  
.....

35. What class of food is digested in the mouth?  
.....
36. State any **one** disadvantage of mulching the garden.  
.....
37. How is oil dangerous to soil?  
.....
38. In the space below, draw a simple diagram of a tap root system.



39. State the difference between mass and weight in terms of units.  
.....  
.....
40. How are lungs important to cows?  
.....



**SECTION B: 60 MARKS**

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

41. a) In which part of alimentary canal is digested food absorbed?  
.....
- b) write down any **two** food substances that are absorbed in the part you have mentioned above in a).  
i) .....  
ii) .....
- c) Give any **one** characteristic that makes the part named in a) above to absorb digested food.  
.....

42. a) Give the meaning of the term pollination.

.....  
.....

b) Mention any **two** birds that pollinate flowers.

i) .....

ii) .....

c) How is pollination useful to plants?

.....

43. The diagram below shows a person suffering from a certain deficiency disease. Study it carefully and answer the questions that follow.



a) Name the deficiency disease a person is suffering from.

.....

b) Give any **two** food stuffs that can be eaten to prevent the above deficiency disease.

i) .....

ii) .....

c) How can the above deficiency disease be controlled?

.....



44. a) Apart from being sold for money, give **two** other reasons for keeping poultry at home.
- i) .....
- ii) .....
- b) Give any **two** advantages of rearing exotic breeds of chicken.
- i) .....
- ii) .....
45. a) Apart from staking, give any **two** other ways farmers care for their crops.
- i) .....
- ii) .....
- b) State any **two** importance of staking crops.
- i) .....
- ii) .....

46. A substance has volume 7cc and mass 63g.

- a) Find its density . (02 Marks)

- b) What will be the behavior of a substance when put in water?
- .....
- c) Give a reason to support your answer in 46 b) above.
- .....





47. The diagram below shows a method of honey extraction. Study it carefully and answer the questions that follow.



- a) Name the method of extracting honey shown above.  
.....
- b) State the importance of a clean piece of cloth in the above method of extracting honey.  
.....
- c) Mention **two** other methods of extracting honey.
  - i) .....
  - ii) .....

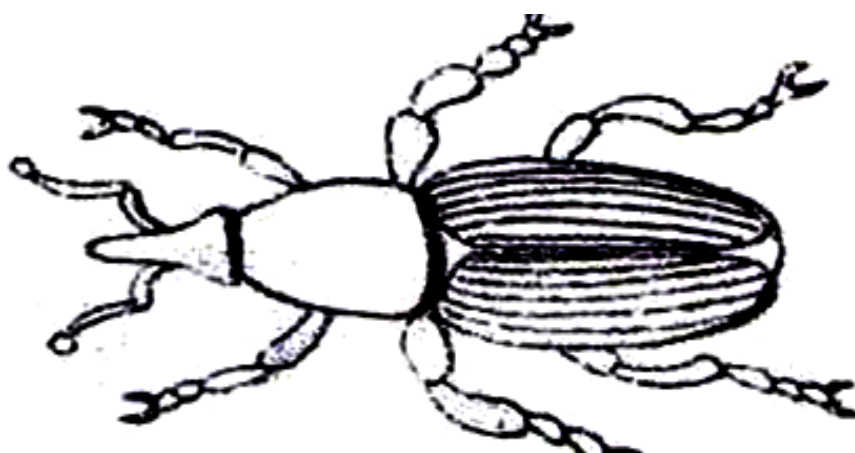
- 48.
- a) Give any **two** common diseases that affect rabbits.
    - i) .....
    - ii) .....
  - b) State any **two** ways of controlling diseases you have given in 48 a) above.
    - i) .....
    - ii) .....

49. a) What is the use of a rain gauge at the weather station?  
 .....  
 b) Give **two** reasons why people are advised to put a part of rain gauge raised 30cm above the ground.  
 i) .....  
 ii) .....  
 c) In which units is rainfall measured?  
 .....



50. a) Mention any **two** examples of first aid materials that are kept in the first aid box.  
 i) .....  
 ii) .....  
 b) Why can't a stretcher be kept in the first aid box?  
 .....  
 c) Of what importance is a first aid box at home?  
 .....

51. The diagram below shows a maize crop pest. Use it to answer the questions that follow.



- a) Name the maize crop pest shown above.  
 .....  
 b) Which part of the maize crop is attacked by the above crop pest named in 51 a) above?  
 .....

c) State any **two** ways of controlling the above crop pest in the garden.

i) .....

ii) .....

52. a) Name the germ that causes measles infants.

.....

b) Write down any **two** signs of measles in infants.

i) .....

ii) .....

c) How best can measles be prevented in infants?

.....



53. a) Mention any **two** sense organs protected by the skull

i) .....

ii) .....

b) Give any **two** ways people care for the above sense organs you have mentioned in 53a) above.

i) .....

ii) .....

54. a) Write down any **two** activities done to promote good sanitation in the school.

i) .....

ii) .....

b) Mention any **two** places in the school that are cleaned daily.

i) .....

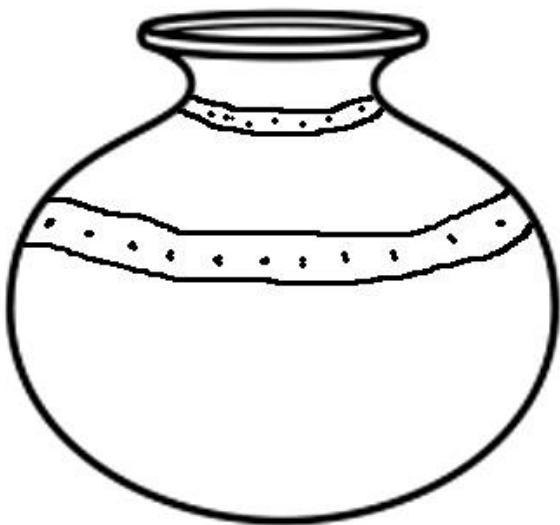
ii) .....

55. The diagrams below show products got from certain materials in the environment. Use them to answer the questions that follow.

**A**



**B**



a) Name the material used to make the products **A** and **B** shown above.

i) **A** .....

ii) **B** .....

b) State any **one** use of the above products at home.

i) **A** .....

ii) **B** .....

