



SUREKEY EXAMINATIONS BOARD
PRIMARY SEVEN PLE PREPARATION SET ONE

2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.	EMIS 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 **16** 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

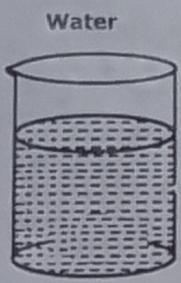
Questions 1 to 40 carry one mark each

1. Name the part that enables the tapeworm to suck digested food from the host.
2. State any **one** activity that can be done to prevent honey bees from swarming.
3. Give any **one** common sign of rickets in children.
4. Give any **one** way in which melting is important in the environment.
5. How is a frog able to live comfortably both in water and on land?
6. State any **one** way in which the spread of scabies can be controlled among the school children.

Give any **one** role played by the school health committee in promoting health at school.

Name the organ of the human body that enables a primary seven candidate to reason during a debate at school.

The diagrams below show two objects **X** and **Y** with water. A primary five pupil wanted to show how they behave when dropped in water. Use them to answer questions **9** and **10**.



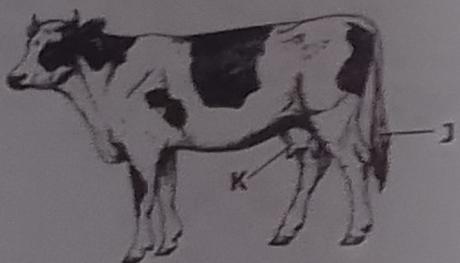
9. State the difference between object **X** and object **Y** in terms of their density.
-
.....
10. Show the behaviour of objects marked **X** and **Y** by drawing in container of water in the space provided below.



11. Why is heat energy able to travel through the vacuum?
-
.....
12. How does excessive consumption of alcohol affect the stomach of an individual?
-
.....

13. State any **one** activity done by mothers to boost the immune system of their children.
14. Why is it important to dry beans properly before keeping them in granaries?
15. State any **one** way of conserving charcoal at home during cooking.
16. Which vector spreads filarial worms to the human eyes?

The diagram below shows external features of a cow. Use it to answer questions 17 and 18.



17. Name the part of the cow marked J.
18. How does a calf benefit from the part of the cow marked K?
19. How is windy weather important in crop management?

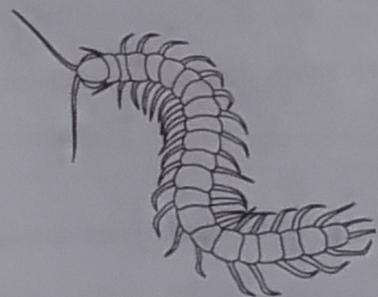
10. Give any **one** piece of advice you would give to your mother at home to protect your siblings from burns and scalds.

21. Name any **one** human body organ where involuntary muscles are found

22. State any **one** factor that can lead to the destruction of magnets.

23. State any **one** way primary sex characteristics that occurs in only female adolescents.

The diagram below shows an arthropod. Use t to answer questions **24** and **25**.



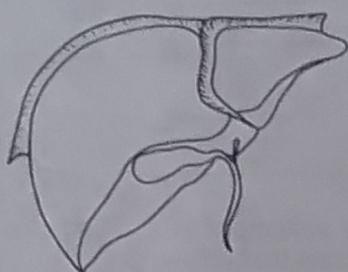
24. Identify the class of arthropods to which the animal above belongs.

25. How is the feeding of the above arthropod different from that of a millipede?

26. State any **one** practice that a crop farmer can do to maintain moisture in the soil.
27. Give any **one** way in which local salt is important to people.
28. Why are strings of the guitars made of metals?
29. Mention any **one** effect of eating contaminated food to human health.
30. Apart from blood transfusion, state any **one** other way in which the volume of blood can be increased in the human body.
31. Write down any **one** activity done by school children to promote physical exercise at school.
32. In which way is reproduction in a cedar plant different from that in a fern plant?
33. State any **one** activity done by Young Farmers Club at school.
4. State any **one** way in which adolescent girls can care for their bodies during menstruation period.

35. Which agent of seed dispersal scatters coconut seeds?
-

The diagram below shows the part found on the digestive system. Use it to answer questions 36 and 37.



36. Name the part of the digestive system shown above.
-
37. How is the above part of the digestive system useful during digestion?
-
38. State any **one** reason why pregnant women are not advised to smoke cigarette.
-
39. Give **one** reason why some people wear braces on their teeth.
-
40. Give any **one** activity carried out at home using filtration method of separating mixtures.
-

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. Name the group of annual crops where you would put:

(a) Wheat:

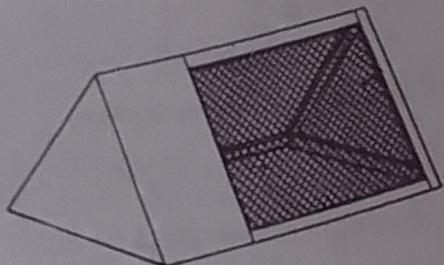
(b) Cowpeas:

(c) Turnips:

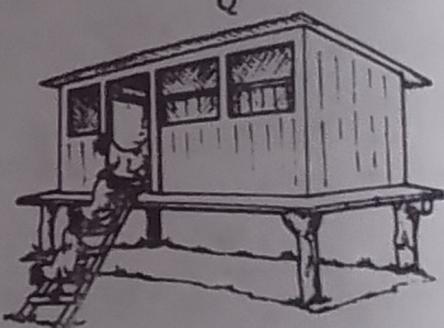
(d) Onions:

42. The diagrams below show systems of keeping poultry. Study and use them to answer the questions that follow.

P



Q



(a) Name the systems of keeping poultry marked P and Q.

(i) P

(ii) Q

(b) State any **one** reason why you would not advice poultry farmers to use the system of keeping poultry marked P.

(c) Identify the system from the diagrams above that is suitable for commercial purpose.

43. (a) Give the meaning of the following terms:

- (i) Malnutrition :
- (ii) Balanced diet :

(b) Write down any **two** modern methods of preserving food.

- (i)
- (ii)



44. You are provided with the following materials:
water, dry soil, hard paper

Write down **four** steps you will take to show how splash erosion takes place.

- (i)
- (ii)
- (iii)
- (iv)

45. (a) Name the body organ in the human body that;

(i) Purifies blood

(ii) Adds oxygen in blood

(b) State any **two** characteristics of arteries.

(i)

(ii)

46. (a) Give any **one** example of carnivorous mammals.

(b) Which feature enables carnivorous mammals to attack their prey without being noticed?

(c) State any **two** characteristics of carnivorous mammals.

(i)

(ii)

7. (a) State any **two** signs that you use to identify the patient suffering from cholera.

(i)

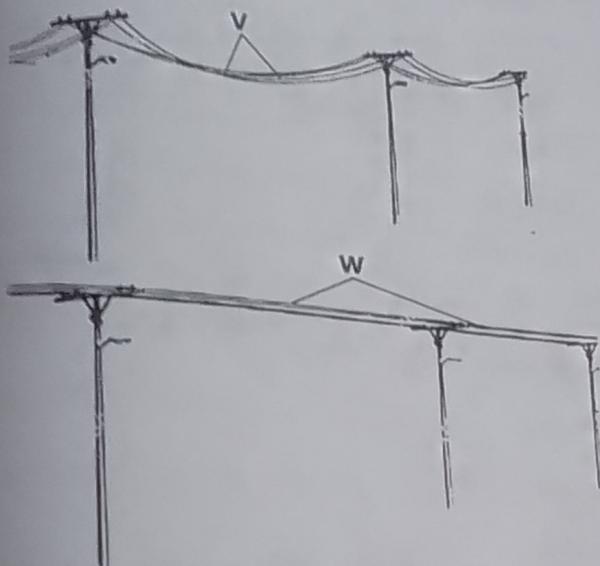
(ii)

(b) Give any **two** measures that can be put in place in order to control the outbreak of cholera in the community.

(i)

(ii)

The diagrams below show the appearance of electric cables in different types of weather. Study and use them to answer the questions that follow.



(a) In which type of weather do electric cables appear as shown in diagram **V**?

(b) Why do electric cables appear as shown in the diagram marked **W**?

(c) State the advantage of leaving electric cables to appear as shown in **V** when fixing them on electric poles.

(d) Mention any **one** effect of heat on matter shown by the electric cables shown above.

49. The table below shows management practices in sheep in part A and their importance in part B.

A: Practice	B: Importance
(i) Shearing	- prevents end parasites.
(ii) Docking	- enables sheep to reproduce.
(iii) Lambing	- eases mating in sheep.
(iv) Deworming	- enables a sheep farmer to get wool.

Match correctly the sheep management practices with their importance in the spaces provided below.

- (i) Shearing :
(ii) Docking :
(iii) Lambing :
(iv) Deworming :

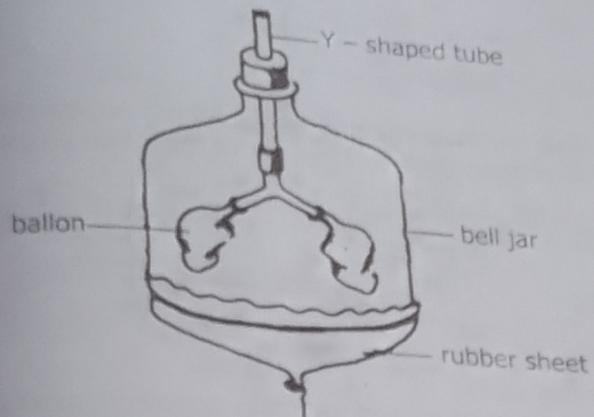
50. (a) Give the role of each of the following on a maize grain during germination;

- (i) Cotyledon
(ii) Plumule

- (b) State any **two** factors that can make maize grains fail to germinate even when all conditions are present.

- (i)
(ii)

The diagram below shows a model of a certain body system. Study it and answer the questions that follow.



- (a) Which body system is shown by the model above?
- (b) What does each of the following materials on the model represent on the body system above?
- (i) Y - shape tube
 - (ii) Balloons
- (c) State what happens to the balloons when the rubber sheet is pulled downwards.
-
-

52. (a) Write down any **two** kinds of food that a mother can give a baby during weaning period.

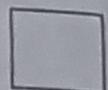
(i)

(ii)

(b) Give any **two** reasons why mothers are encouraged to breastfeed their children for at least two years.

(i)

(ii)



(a) Which method is used to obtain petroleum products?

.....

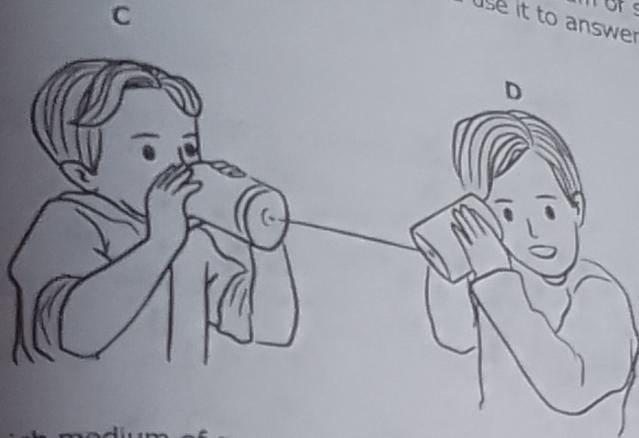
(b) Apart from petroleum, list down any **two** other examples of fossil fuels.

(i)

(ii)

(c) State any **one** way in which fossil fuels can be used as energy resources.

The diagram below shows two boys demonstrating a medium of sound transmission using a string telephone. Study and use it to answer the questions that follow.



- (a) Which medium of sound transmission is being demonstrated by the boys above?
- (b) How is the boy at point D able to hear sound from the boy at point C?
- (c) Why did the boys use the string to connect the two tins?
- (d) What is the purpose of the experiment demonstrated by the boys above?

55. (a) Write down any **two** factors to consider when sorting clothes for washing.
- (i)
- (ii)
- (b) Give any **one** reason why people sort clothes before washing them.
-
- (c) Apart from sorting, name any **one** other step taken when cleaning clothes at home.
-

