



**SUREKEY EDUCATION SERVICES
PRIMARY SEVEN UNIQUE SERIES**

2025

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random NO.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Name:

Read the following instruction carefully:

1. Do not forget to write your **school** or **district name** anywhere on this paper.
2. This paper has **two** sections: **A** and **B**
Section **A** has **40** questions and section **B** has **15** questions. The paper has **15 printed pages** altogether.
3. Answer **all** the questions. **All** answers to both sections **A** and **B** must be written 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 kind of water recommended to be used when tepid sponging.

.....

2. State any **one** way in which the stomach is useful during digestion.

.....

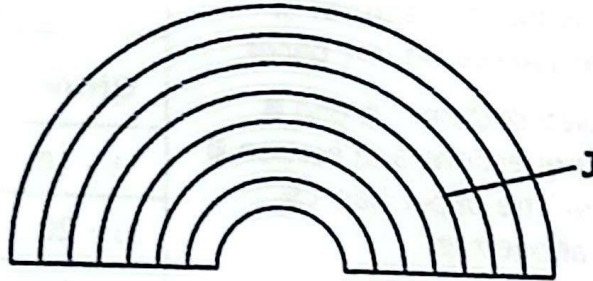
3. Write down any **one** sign of dysentery in humans.

.....

4. State **one** way in which a radio is important to a radio mechanic.

.....

The diagram below shows a natural spectrum in the sky. Use it to answer questions 5 and 6.



5. Name the spectral colour marked **J**.

.....

6. Give any **one** property of light that leads to the formation of the natural spectrum above.

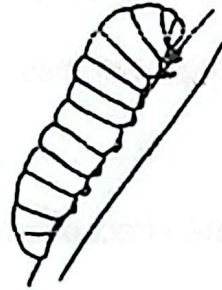
.....

7. Mention any **one** way in which wild life can be conserved in the environment.
-
8. Name **one** organism that makes food to go bad.
-
9. State any **one** effect of HIV/AIDS to the family.
-
10. Mention the source of energy needed by a cabbage plant to make food in the food chain.
-
11. State any **one** quality of essential drugs.
-
12. Give any **one** example of a natural birth control method in a family.
-
13. Mention any **one** way in which the dumping of non-biodegradable wastes affects the quality of environment.
-
14. Give any **one** way in which textile industries benefit from Angora rabbits.
-
15. Name any **one** disease spread by lice to humans.
-

The diagrams below show stage in the growth of a butterfly. Use them to answer questions **16** and **17**.



M



N

16. Name the stage marked **M**.

.....

17. Give **one** way in which the stage marked **N** affects food production in the community.

.....

18. Mention any **one** reason why farmers carry out shearing in sheep during dry season.

.....

19. State any **one** role played by teachers to prevent anti-social behaviour among pupils at school.

.....

20. Mention any **one** way in which poisoning by chemicals can be prevented at home.

.....

21. Apart from burning and rusting, name any **one** other example of a chemical change in the environment.



.....

22. State **one** way in which the fuse is able to break the circuit when there is too much current flowing in an electric appliance.

.....

23. State **one** reason why smoke moves upwards when a person is burning rubbish.

.....

24. Give **one** factor that affects the size of the shadow formed by an object.

.....

The diagram below shows intestinal worms. Use it to answer questions 25 and 26.



25. Identify the intestinal worm shown above.

.....

26. State **one** way in which the above intestinal worms enter the human body.

.....

27. State the reason why rainfall is measured in millimetres (mm).

.....

28. Mention any **one** way in which crops affected by diseases can be identified in the garden.

.....

29. Give any **one** way of correcting temporary deafness in human ear.

.....

30. Mention any **one** way in which the use of electricity is better than the use of wood fuel.

.....



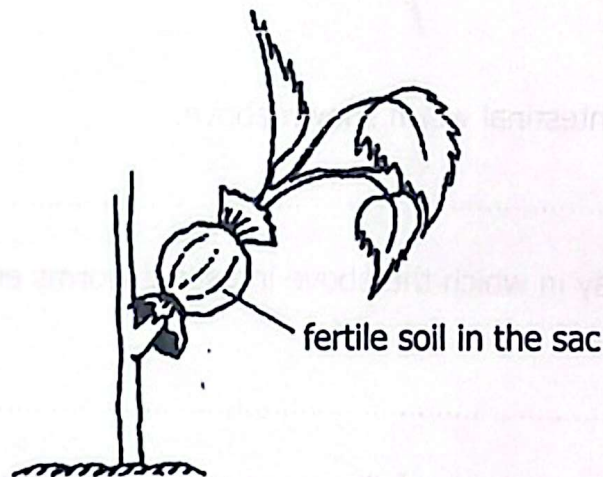
31. Name the commonly abused drug obtained by fermentation of starch.

.....

32. State any **one** characteristic of climbing birds.

.....

The diagram below shows an artificial method of propagating plants. Use it to answer questions 33 and 34.



33. Identify the method of propagating plants shown above.

.....

34. Give the function of fertile soil in the sac of the method above.

.....

35. State any **one** way of preventing cassava from rotting after harvesting.

.....

36. State the reason why the pit hole of a VIP latrine should be left open all the time.

.....

37. Mention **one** way in which farmers can increase nitrogen in the soil without using fertilisers.

.....

38. Apart from using baits, state any **one** other method used by bee keepers when stocking the hive.

.....

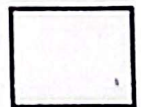
39. Give **one** reason why bacteria are referred to as microscopic organisms.

.....

.....

40. Identify the aspect of wind measured using the anemometer.

.....



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

41. (a) Apart from a maize grain, name any **one** other example of a monocotyledonous seed.

.....

- (b) State any **two** characteristics of monocotyledonous seeds.

(i)

(ii)

- (c) State any **one** function of the cotyledon in the maize grain during germination.

.....

42. (a) Name any **one** type of chicken kept in your community.

.....

- (b) Explain how keeping chickens helps in the prevention of deficiency diseases in children. **(02 marks)**

.....

.....

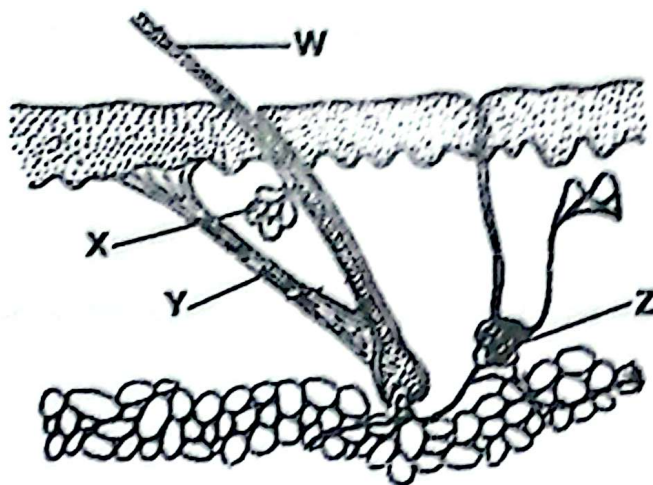
.....

.....

- (c) State any **one** reason why farmers sometimes cull their chickens.

.....

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



- (a) Name the parts marked X and Z.

(i) X :

(ii) Z :

- (b) State any one function of the substance produced by the part marked X in the human body organ above.

.....

- (c) Mention any one way in which the part marked W regulates body temperature in the human body organ above.

.....

44. (a) Name the method of preserving fish in which;



(i) Ice cubes are used :

(ii) Slow burning heat is used :

- (b) Give any two reasons why fish mongers preserve fish.

(i)

(ii)

45. At the health centre, mothers line up with their babies. A nurse carefully gives each baby a small injection that protects them from dangerous diseases. One worried mother watches her neighbour's baby receive the shot without crying. Feeling, reassured, she agrees for her own baby, knowing it will help keep the little one healthy and strong.

(a) Name the substance the nurse is giving to the babies.

.....

(b) State any **one** site on the babies' body where the nurse is giving a small injection.

.....

(c) Give any **two** ways in which babies benefit from the injection given by the nurse.

(i)

.....

(ii)

.....

46. (a) State any **two** differences between a toad and a frog.

(i)

.....

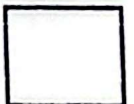
(ii)

.....

(c) Give any **two** ways in which amphibians help to promote human health.

(i)

(ii)



47. (a) Name the change of state of matter that increases the density of ice when heated.

.....

- (b) You are provided with the following items:

Block of ice, lit charcoal stove and a saucepan

Describe how you can use the items to show that the density increases when ice is heated. **(03 marks)**

.....

.....

.....

.....

.....

.....

48. (a) Apart from the solar panel, name any **one** other equipment used in the production of the energy resource from the sun.

.....

- (b) State the importance of the solar panel in the production of energy resource from the sun.

.....

- (c) Give any **two** advantages of using energy resource from the sun to the environment.

(i)

.....

(ii)

.....

49. The table below shows cattle diseases in part A and their signs in part B.

Part A : Diseases	Part B : Signs
Mastitis	- Sudden death.
Heartwater	-Difficulty in breathing.
Pneumonia	-Swollen udder and teats.
Anthrax	-Animals walk in circles.

Match correctly the cattle diseases with their signs in the spaces provided below.

- (i) Mastitis :
- (ii) Heartwater :
- (iii) Pneumonia :
- (iv) Anthrax :

50. (a) Name the form of accident whose first aid is;



- (i) Dipping the injured part in cold water.

.....

- (ii) Tying splints around the injured part.

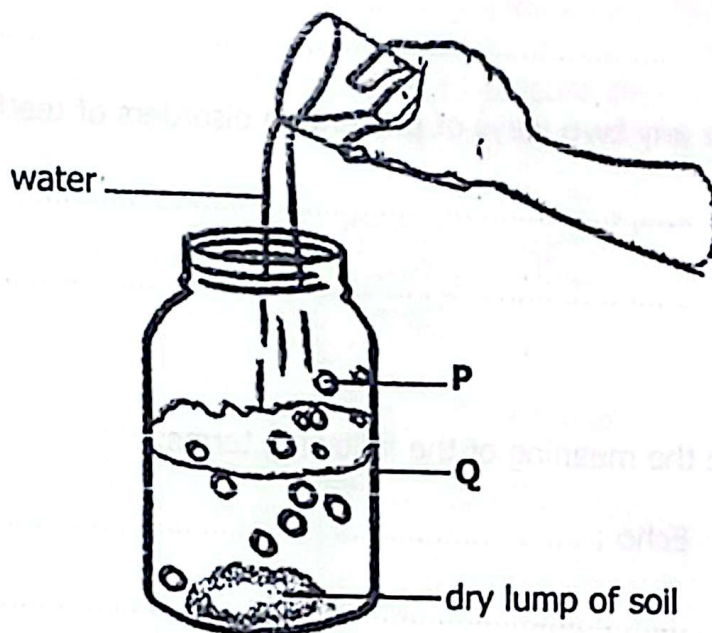
.....

- (b) Apart from giving first aid, identify any **two** other ways of managing accidents at home.

(i)

(ii)

51. The diagram below shows an experiment carried out by a primary five class to investigate a component of soil. Study and use them to answer the questions that follow.



- (a) Name the substance marked **P**.

.....

- (b) Give the reason why the container marked **Q** should be transparent.

.....

- (c) State any **two** ways in which the component of soil investigated using the above experiment is useful in the soil.

(i)

.....

(ii)

.....

52. (a) Mention any **two** disorders of teeth in humans.

(i)

(ii)

(b) State any **two** ways of preventing disorders of teeth in humans.

(i)

(ii)



53. (a) Give the meaning of the following terms;

(i) Echo :

.....

(ii) Frequency :

.....

(b) State any **two** methods used to produce sound in musical instruments

(i)

(ii)

54. (a) Write down any **two** pieces of information that are collected in a health survey.

(i)

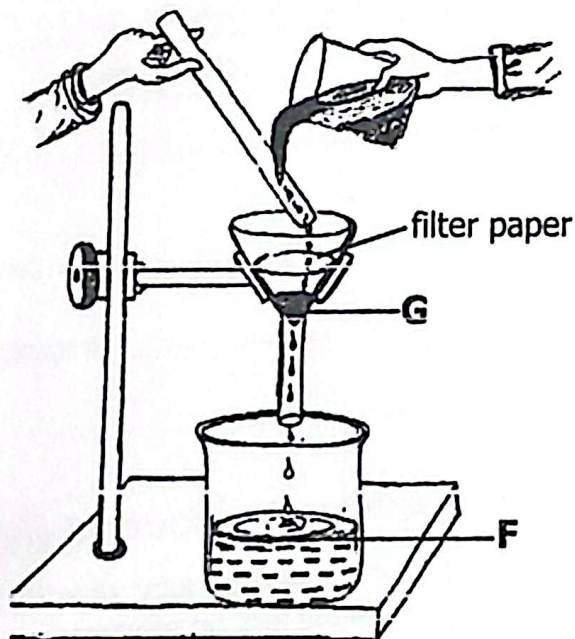
(ii)

(b) Name any **one** method used when carrying out a health survey.

.....

- (c) Give any **one** way in which carrying out a health survey in an area is important.
-

55. The diagram below shows a method used to prepare clean water for washing at home. Study and use it to answer the questions that follow.



- (a) Identify the method used to prepare clean water shown above.
-

- (b) Name the substances marked **F** and **G**.

(i) **F** :

(ii) **G** :

- (c) State the importance of the **filter paper** when using the method above to prepare clean water.
-

