



SURREKEY EXAMINATIONS BOARD  
**PRIMARY SEVEN PLE PREPARATION SET ONE**  
**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

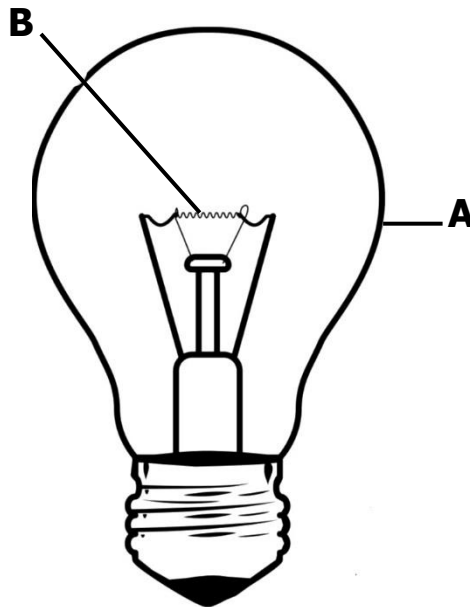
1. Name any **one** agent of seed dispersal.  
.....
2. Give any **one** way in which honey is useful in industries.  
.....
3. Give any **one** method used to prepare a local dish at home.  
.....
4. Give any **one** way in which condensation is important in the environment.  
.....
5. State **one** way in which roughages help to prevent constipation in children.  
.....
6. Mention any **one** way in which the spread of ringworm infection can be controlled among school children.  
.....
7. Give any **one** role of the School Health Committee in the promotion of personal hygiene at school.  
.....
8. Name the largest type of teeth in the mouth.  
.....
9. State the reason why the piece of chalk reaches the ground faster than a piece of paper when dropped from the same height.  
.....

10. Name the substance in tobacco smoke that leads to addiction.

.....



The diagram below shows an electric bulb. Use it to answer questions **11** and **12**.



11. Name the part marked **A**.

.....

12. State **one** reason why the part marked **B** is coiled.

.....

13. State any **one** example of a suitable health lifestyle that people are encouraged to practice.

.....

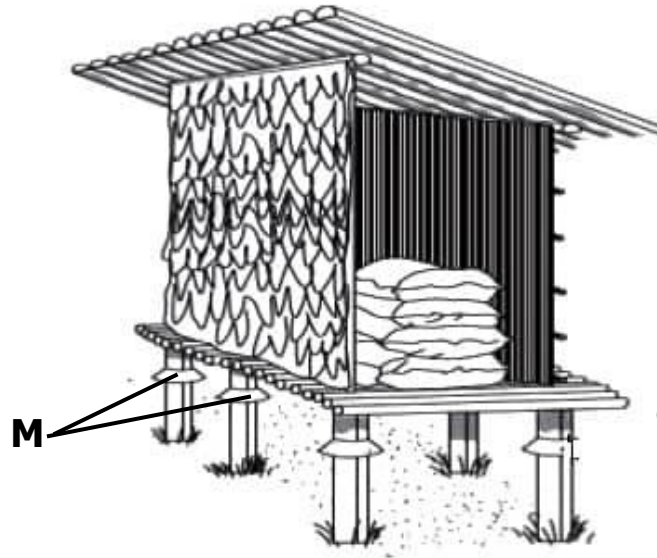
14. State any **one** advantage of growing annual crops over perennial crops.

.....

15. State any **one** way of using wood fuel sparingly.

.....

The diagram below shows a farm storage facility. Use it to answer questions **16** and **17**.



16. Name the farm storage facility shown above.

.....

17. Give **one** reason why the structure marked **M** is able to prevent rats from entering the storage facility above.

.....

18. State the importance of putting notches on the ears of a sheep.

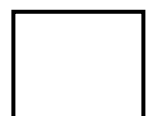
.....

19. Identify the weather instrument that helps in the management of floods in an area.

.....

20. Give any **one** way in which school children can protect their young brothers and sisters from being poisoned by chemicals.

.....



21. Name any **one** substance that reduces friction at the joint.

.....

22. Give any **one** factor that can reduce the pitch of sound produced by a string musical instrument.

.....

23. State any **one** responsibility of a family in the promotion of health.

.....

24. Mention any **one** way in which filtration can be applied at home.

.....

Use the diagram of the mammal below to answer questions **25** and **26**.



25. Identify the group of mammals to which the animal above belongs.

.....

26. Give any **one** reason why you would group the above animal under mammals.

.....

27. Mention any **one** way in which the spread of COVID 19 can be controlled.

.....

28. State any **one** way in which poor sanitation in a school compound can be identified.

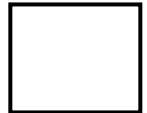
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29. State **one** way in which the function of antennae of a grasshopper are similar to the ears of a person.

.....

30. Apart from using a thermos flask, state any **one** other way of conserving heat energy at home.

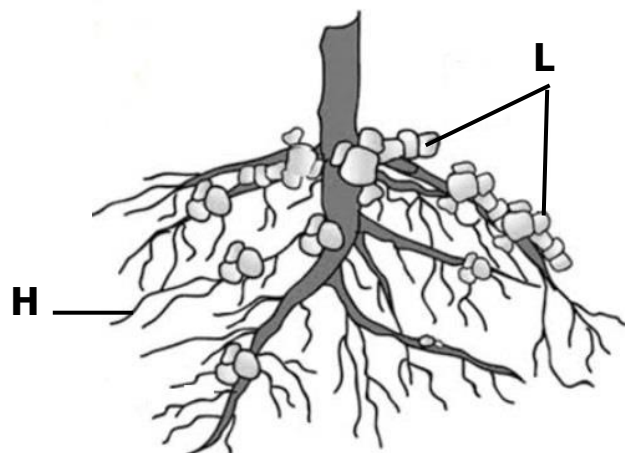
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31. Give any **one** in which feeding on a balanced diet is important to the muscular skeleton system.

.....

The diagram below shows the stem of a bean plant. Use it to answer questions **32** and **33**.



32. Name the root structure marked **H**.

.....

33. Give any **one** function of the root structures marked **L**.

.....

34. Name any **one** by product removed from the human body during respiration.

.....

35. Write down any **one** activity done by the Young Farmers' Club at school.

.....

36. State any **one** way in which white blood cells help to fight against disease germs.

.....

37. State any **one** way in which sunlight is useful during photosynthesis.

.....

38. State any **one** function of the segments to a tapeworm.

.....

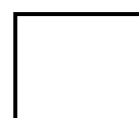
39. Give any **one** cause of soil exhaustion in the garden.

.....

40. State the difference between atmosphere and sky.

.....

.....

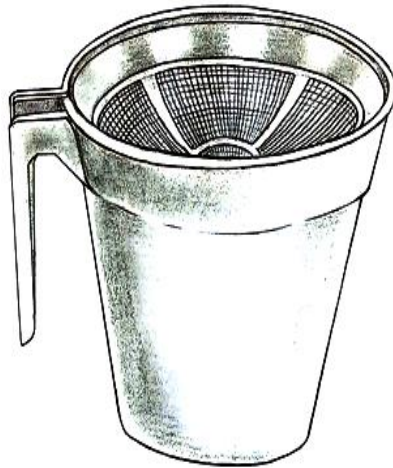


## SECTION B: 60 MARKS

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

41. (a) State the chemical change that;
- (i) Produces alcohol .....
  - (ii) Makes charcoal .....
  - (iii) Enables the Body to Produce Energy .....
  - (iv) Forms of humus in the soil .....

42. The diagram below shows an equipment found on a cattle farm. Study and use it to answer the questions that follow.



- (a) Name the equipment shown above.
- .....
- (b) Give any **two** breeds of cattle on which the equipment above can be used
- (i) .....
  - (ii) .....
- (b) State any **one** sign of the disease that requires the use of the cattle equipment above.
- .....



43. (a) Name the process in plants that enables plants to purify air.

.....

(b) Explain how plants help to purify air in the environment. (2 marks)

.....

.....

.....

(c) Apart from purifying air, state any **one** other way in which plants are important in the environment.

.....

44. (a) Name the non-metallic conductor found in the dry cell.



.....

(b) A torch uses 4 dry cells. Calculate the voltage of the torch. (3marks)

45. (a) Write down any **two** disorders of the human respiratory system.

(i) .....

(ii) .....

(b) Give any **two** ways of keeping the respiratory system in a healthy working condition.

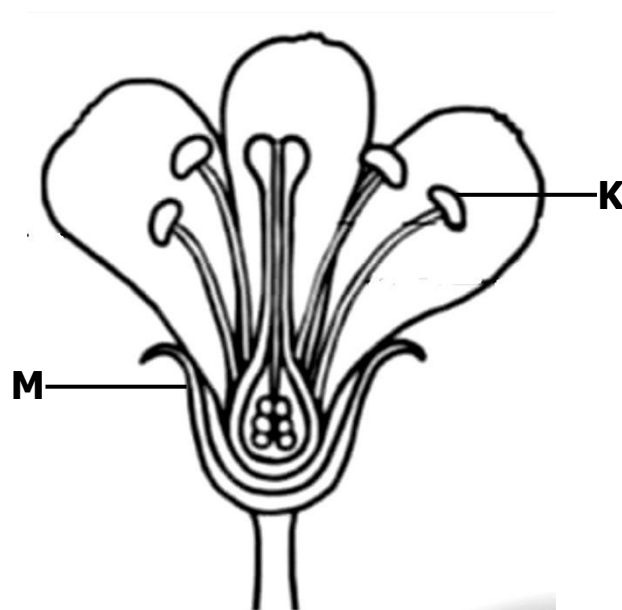
(i) .....

(ii) .....

46. (a) Name the group of arthropods to which the following belong;
- (i) Termite .....
- (ii) Lobster .....
- (b) Apart from having jointed legs, state any **two** other ways in which arthropods can be identified.
- (i) .....
- (ii) .....



47. The diagram below shows a flower. Use it to answer the following questions.



- (a) Name the parts marked **K** and **N**.
- (i) **K** : .....
- (ii) **M** : .....
- (b) State the function of the part marked **M** to a flower.
- .....
- (c) On the diagram above, label the style.

48. (a) Name any **two** examples of foreign bodies in the ear.

(i) .....

(ii) .....

(b) State any **one** effect of foreign bodies in the ears.

.....

(c) Give any **one** way in which you can give first aid to a victim with a foreign body in the ear.

.....

49. The table below shows the systems used in keeping poultry in part **A** and their description in part **B**.

<b>A: System</b>	<b>B: Description of the system</b>
Free range system	Birds are kept in the house all the time.
Deep litter system	Birds are kept in a small movable structure.
Fold system	Birds are kept in separate cages in the house.
Battery system	Birds are left to move on their own and look for food

Match correctly the systems of keeping poultry with their description in the spaces provided below.

(i) Free range system.....

(ii) Deep litter system.....

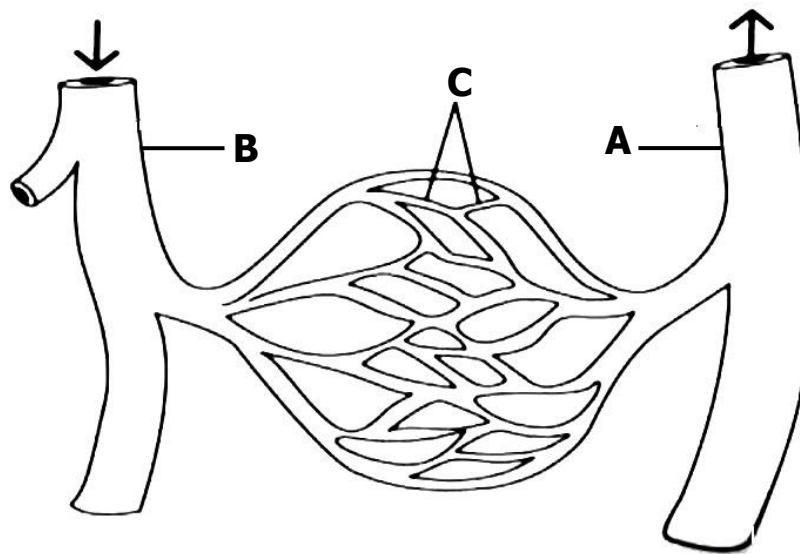
(iii) Fold system.....

(iv) Battery system .....



50. (a) Name the fungus that;
- (i) Feeds on sugar .....
  - (ii) Has a fruiting body .....
- (b) Give any **two** ways in which fungi are useful to people.
- (i) .....  
.....
  - (ii) .....  
.....
51. (a) Give the meaning of the following terms:
- (i) Recycling.....  
.....
  - (ii) Pollution.....  
.....
- (b) State any **two** ways in which pollution affects the environment.
- (i) .....
  - (ii) .....

52. The diagram below is of blood vessels. Study and use it to answer the questions that follow.



- (a) Name the blood vessels marked **B** and **C**.

(i) **B** : .....

(ii) **C** : .....

- (b) State any **one** way in which the blood vessel marked **A** is able to transport blood with high pressure.

.....

- (c) Give any **one** function of blood vessel marked **C** during blood circulation.

.....



53. (a) Name the **two** changes of state of matter that cause the formation of rain.

(i) .....

(ii) .....

(b) State any **two** physical properties of solids.

(i) .....

(ii) .....

54. You are provided with the following materials:

**Two balloons, a straw, rubber sheet and a big plastic bottle**

Write **four** steps you will take to show the action of the human lungs during breathing in.

(i) .....

.....

(ii) .....

.....

(iii) .....

.....

(iv) .....

.....

55. (a) Name any **two** root tuber crops that are propagated by the use of seeds.

(i) .....

(ii) .....

(a) Give any **two** factors to consider when choosing the variety of tuber crops to grow.

(i) .....

(ii) .....



