



SURREKEY EXAMINATIONS BOARD
PRIMARY SEVEN PRE-MOCK EXAMINATION
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:

- Do not forget to write your **school** or **district name** anywhere on this paper.
- 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.
- Answer **all** the questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
- All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
- Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
- 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 of a cow that changes the colour when a cow is on heat.

.....

2. State any **one** characteristic of self-pollinated flowers.

.....

3. Name any **one** example of a diarrhoeal disease.

.....

4. Give any **one** way in which friction is helpful when promoting personal hygiene.

.....

The diagram below shows a method of making water safe for drinking. Use it to answer questions **5** and **6**.




5. Name the substance marked **G**.

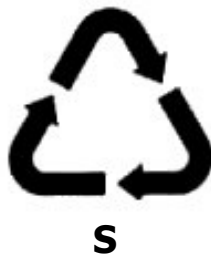
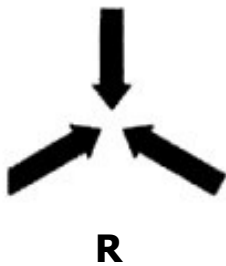
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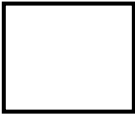
6. State any **one** way of preventing water made by the method above from getting contaminated.

.....

7. Name the human body organ that controls the level of salt.
-
8. Give any **one** reason why birds are able to fly in air.
-
9. State the reason why a bandage is tied slightly above the part bitten by a snake.
-
10. Mention any **one** safety rule on the road.
-
11. Give any **one** method used to control soil erosion on land with a steep slope. 
-
12. State any **one** effect of drug abuse to an individual.
-
13. Name any **one** place at home where convection in gases is helpful.
-
14. Mention any **one** method used by farmers when threshing their harvested maize.
-
15. Apart from lacking a nucleus, state any **one** other characteristic of red blood cells.
-
16. Mention any **one** feature that enables a tapeworm to live in the small intestines of human beings.
-

The diagrams below show symbols used in waste management. Use them to answer questions **17** and **18**.



17. Name the waste management practice represented by symbol **R**.
.....
18. State any **one** way in which the use of waste management practice represented by symbol **S** is helpful to the environment.
.....
19. State any **one** use of a periscope to people.
.....
20. Identify the disease of teeth that causes swollen and bright red gums.
.....
21. State any **one** activity done in the garden using a rake. 
.....
22. Apart from damaging the hive, mention any **one** other way in which pests affect honey bees.
.....
23. State any **one** way in which the skeleton is important to the circulatory system.
.....

24. Give **one** way in which tension affects the pitch of sound.

.....

25. State any **one** way in which a helmet protects the head of a person riding a motorcycle.

.....

26. State the reason why the cotyledons that come out of the ground after germination appear green.

.....

27. Name any **one** alcoholic drink prepared through distillation.

.....

28. Mention any **one** factor to consider when planning a crop rotation design.

.....

29. State **one** reason why farmers heap soil around sweet potato plants.

.....

30. Name any **one** example of a physical change in weather.

.....

31. Give **one** excretory function of the human lungs.



.....

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

.....

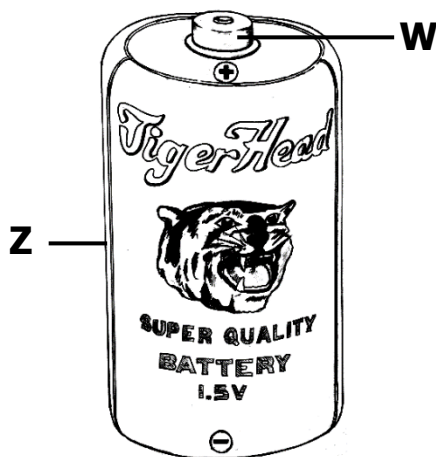
33. Apart from being healthy, give any **one** other reason why people eat food.

.....

34. Give any **one** way in which a fish benefits from its slippery body.

.....

The diagram below shows a dry cell. Use it to answer questions **35** and **36**.



35. Name the part marked **W**.

.....

36. State the function of the part marked **Z** on a dry cell.

.....

37. Name any **one** foodstuff used by mothers when weaning babies.

.....

38. Write down any **one** activity that a cattle farmer can do to obtain clean milk during milking.

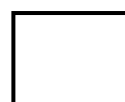
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39. State any **one** way in which houseflies affect the human eyes.

.....

40. Give any **one** reason why many people do not use solar energy.

.....



SECTION B: 60 MARKS

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

41. (a) Name any **one** dangerous substance found in tobacco smoke.

.....

- (b) Give any **two** ways in which tobacco smoking affects the community.

(i)

(ii)

- (c) State **one** way in which decision making helps to safeguard school children against smoking habits.

.....

42. (a) Write down any **one** group of crops.

.....

- (b) State any **one** activity done to seedlings during hardening off.

.....

- (c) Explain how growing legumes help to improve soil fertility in the garden. (02 Marks)

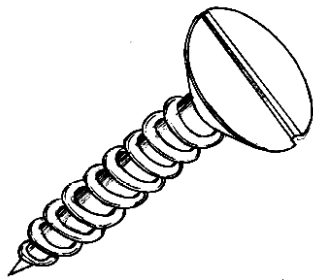
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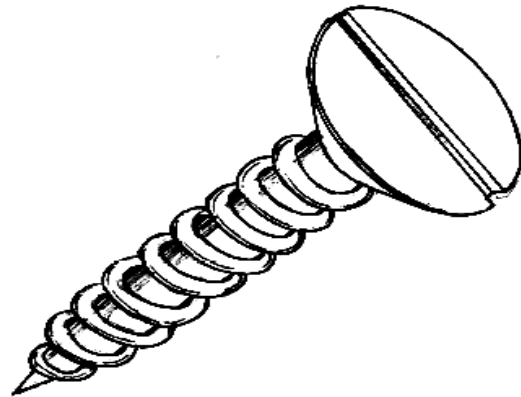
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43. The diagrams below show two screws **A** and **B**. Study and use them to answer the questions that follow.



Screw **A**



Screw **B**

- (a) Identify the screw in which a person would use less effort when fastening parts of a radio.
-
- (b) Give any **one** reason for your answer in (a) above.
-
- (c) Mention any **two** factors that affect the proper working of the screws marked **A** and **B**.
- (i)
- (ii)

44. (a) Name the vegetative method used to propagate;



- (i) White yams :
- (ii) Sisal:
- (b) State any **two** ways in which a crop farmer can benefit from planting crops vegetatively.
- (i)
- (ii)

45. (a) Give the meaning of the term **food contamination**.

.....

.....

(b) State any **one** effect of eating contaminated food to human health.

.....

(c) Give any **two** ways in which you can prevent food from getting contaminated before serving it.

(i)

(ii)

46. Tracy wanted to demonstrate how solutes dissolve in solvents. She had the following materials for the experiment; **Spoon, Water** and a **Glass**.

(a) Name any **one** material Tracy forgot to include on the list of her materials.

.....

(b) State the importance of the spoon in the experiment.

.....

(c) Describe how Tracy will demonstrate how solutes dissolve in solvents in this experiment. (02 Marks)

.....

.....

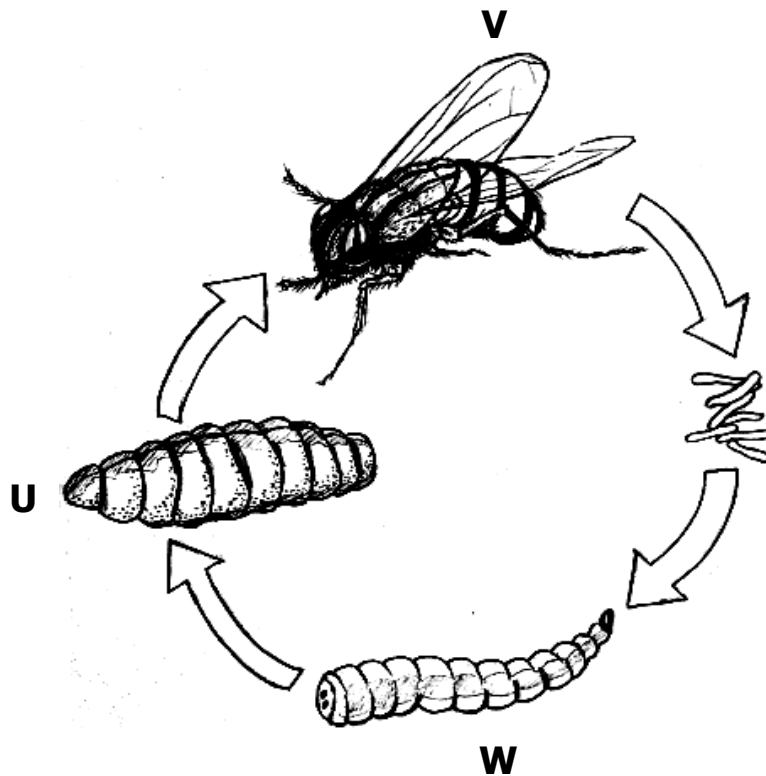
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47. The diagram below shows the life cycle of a vector. Study and use it to answer the questions that follow.



- (a) Name the growth stages marked **U** and **V**.

(i) **U** :

(ii) **V** :

- (b) State any **one** way in which the stage marked **W** is useful in the environment.

.....

- (c) Give any **one** reason why the lifecycle above is regarded as a complete metamorphosis.

.....

.....

48. (a) Name the germ that causes leprosy.

.....

(b) Mention any **two** signs of leprosy in human beings.

(i)

(ii)

(c) State any **one** way of controlling leprosy in human beings.

.....

49. (a) Apart from yeast, give any **one** other example of a fungus.

.....

(b) State any **two** ways in which yeast is important to people.

(i)

(ii)

(c) Give **one** way in which the feeding of yeast is different from that of a moss plant.

.....

.....



50. (a) Name the digestive juice produced in the;
- (i) Liver :.....
- (ii) Pancreas :
- (b) Mention any **two** ways of controlling diseases that affect the digestive system.
- (i)
- (ii)

51. The table below shows classes of arthropods. Study and use it to answer the questions that follow.

M	N	Q
Spider	bee	crab
tick	butterfly	lobster
mite	moth	crayfish

- (a) Name the class of arthropods marked **M**.
-
- (b) Give **one** way in which the animals in class **N** support the growth of flowering plants.
-
- (c) State any **one** reason why animals in group **Q** do not belong in the same class of arthropods with those in group **N**.
-
- (d) Identify any **one** animal that belongs to the class of arthropods that was not included in the table above.
-

52. (a) State any **one** factor that a poultry farmer should consider when selecting the system of keeping birds.

.....

- (b) Name the system of keeping poultry where;

- (i) Birds are left to look for their own food.

.....

- (ii) Litter is put on the floor of the house.

.....

- (b) Give any **one** way in which litter is important in a poultry house.

.....



53. On a sunny day, the sun shone brightly on a lake. The heat made the water change into vapour and rose into the atmosphere. As the vapour went higher, it cooled and formed clouds. The clouds grew dark and heavy. Soon, water droplets began to fall on the ground. The water droplets filled rivers, lakes and supported the growth of plants.

- (a) Name the water droplets that fell on the ground.

.....

- (b) State what happened when the water vapour rose into the sky.

.....

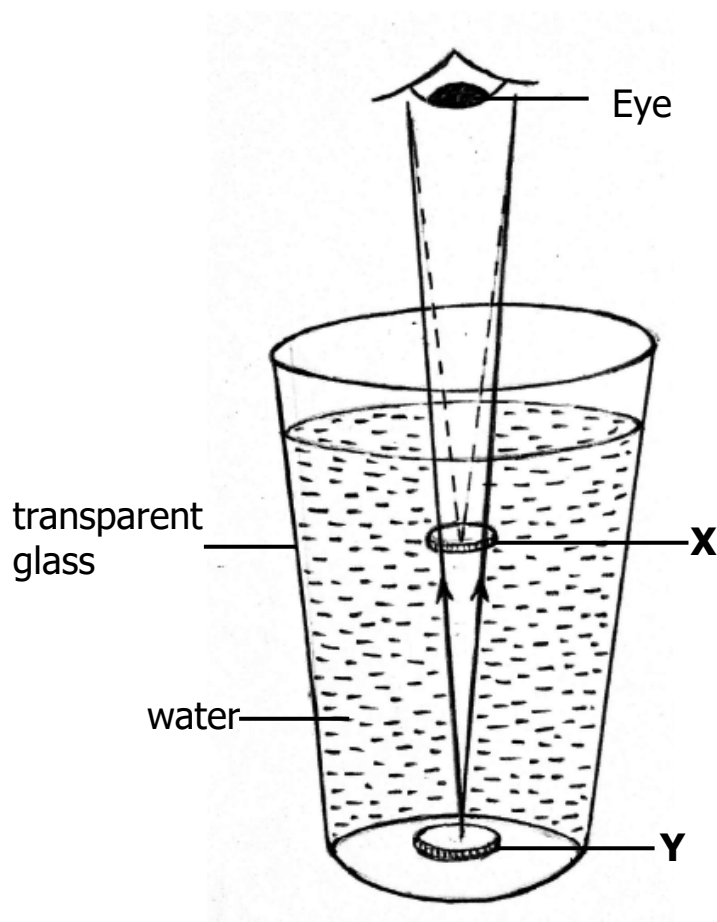
- (c) State the importance of the lake in the formation of water droplets.

.....

- (d) Give any **one** way in which the water droplets that fell on the ground supported the growth of plants.

.....

54. The diagram below shows a coin placed in a transparent glass containing water. Study and use it to answer the questions that follow.



- (a) Name the points of the coin marked **X** and **Y**.

(i) **X** :

(ii) **Y** :

- (b) State the property of light shown in the diagram above.

.....

- (c) Give the importance of using a transparent glass.

.....

55. (a) Write down any **two** disorders that affect the male reproductive system.

(i)

(ii)

(b) State any **one** advantage of child spacing to a mother in a family.

.....

(c) Give any **one** reason why females are highly affected by HIV/AIDS.

.....

.....



