



THE CRANES EXAMINATIONS BOARD

FINAL SET - ONE - 2025

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 Minutes

Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

District ID No.

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Read the following instructions carefully:

1. Do not 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** 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 other than drawings 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 in the 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

Answer ***all*** questions in this section.

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

1. Name **one** mammal which lives in water.

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2. Write down **one** way old newspapers can be utilized at home.

.....

3. Give a reason why it is dangerous to eat undercooked meat.

.....

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4. Mention any **one** science project carried out at school.

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5. Name **one** example of a stem tuber.

.....

6. State how air as a component is important to soil.

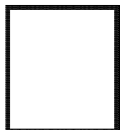
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7. Mention **one** way of protecting houses from strong wind.

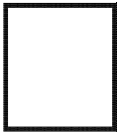
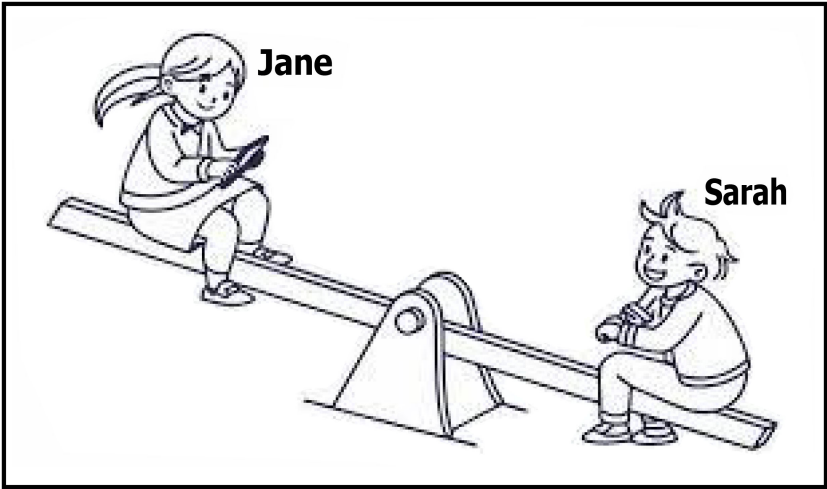
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8. Give **one** use of a torch to a street vendor.

.....



The diagram below shows two girls on a seesaw. Study and use it to answer questions **9** and **10**.



9. To which class of levers does a seesaw belong?

.....

10. Why has Sarah's side moved downwards?

.....

.....

11. How are pines similar to bean plants in the environment?

.....

12. State why we rinse clothes after washing them during the cleaning process.

.....

.....

13. Write down **one** way an alcoholic parent affects his family members.

.....

14. Explain how heat affects temperature of matter.

.....

15. Mention **one** way animals get energy from plants.

.....

16. Give **one** danger of some solitary insects to man.

.....

17. State why the trachea is made up of rings of cartilage.

.....

.....

18. What problem are people who live in a house without ventilators likely to face?

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19. Write down **one** way in which an HIV positive pregnant woman can protect her unborn baby from getting HIV/AIDS.

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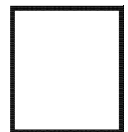
20. Mention the stage of a food path carried out by farmers using a sickle.

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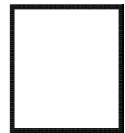
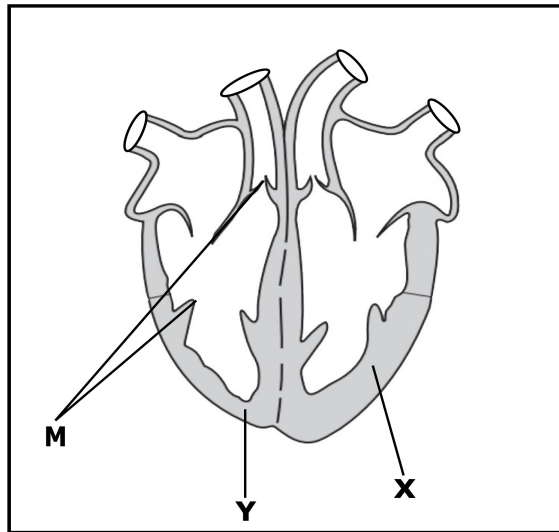
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21. Name **one** device that uses an electromagnet to function.

.....



The diagram below shows the human heart. Study and use it to answer the question **22** and **23**.



22. State the function of structures **M**.

.....

.....

23. Write down the reason why muscle **X** is thicker than muscle **Y**.

.....

24. Mention the use of a lactometer to a dairy farmer.

.....

25. Give a reason why it is not advisable to burst blisters formed when hot porridge burns you.

.....

.....

26. Identify **one** factor considered when grouping animals in the environment.

.....

27. Name **one** body organ which helps to maintain body balance and posture.

.....

28. Point out **one** way of conserving petroleum in the environment.

.....

29. Write down **one** activity community members can get involved in to promote community sanitation.

.....

.....

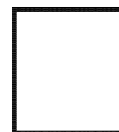
30. Explain how fish help in controlling insect vectors in the environment.

.....

31. Give **one** advantage of breast feeding to a baby.

.....

32. Mention the role of flowing water in production of hydro electricity.



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33. How does the use of sanitizer promote good health of pupils at school?

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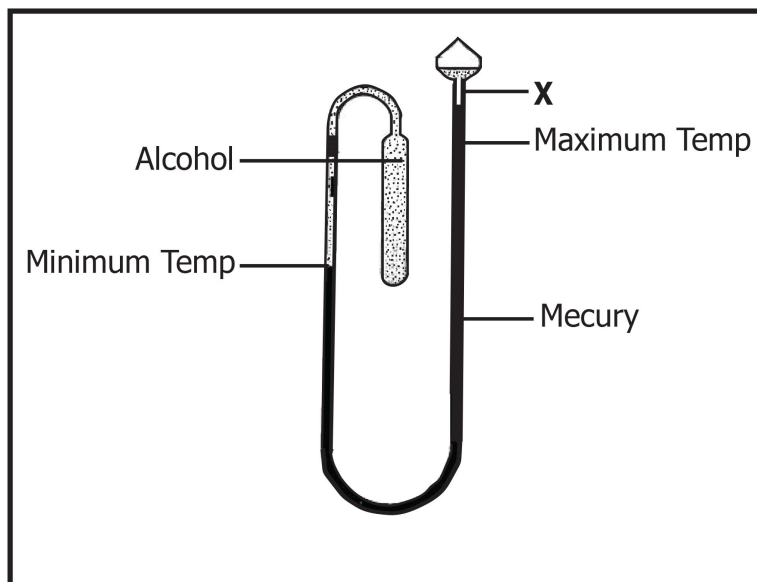
34. Write down **one** way people can be dangerous to the environment.

.....

35. Mention **one** piece of advice you can give your fellow pupils in school to prevent choking as a respiratory disorder.

.....

The diagram below is of a six's thermometer. Use it to answer questions **36** and **37**.



36. Name part marked **X**.

.....

37. Give **one** reason why mercury is used for measuring maximum temperature.

.....

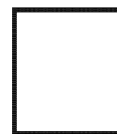
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38. Mention **one** way essential drugs are important in the body.

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39. Name **one** non living agent of seed dispersal.



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40. Give **one** way food is important in the body.

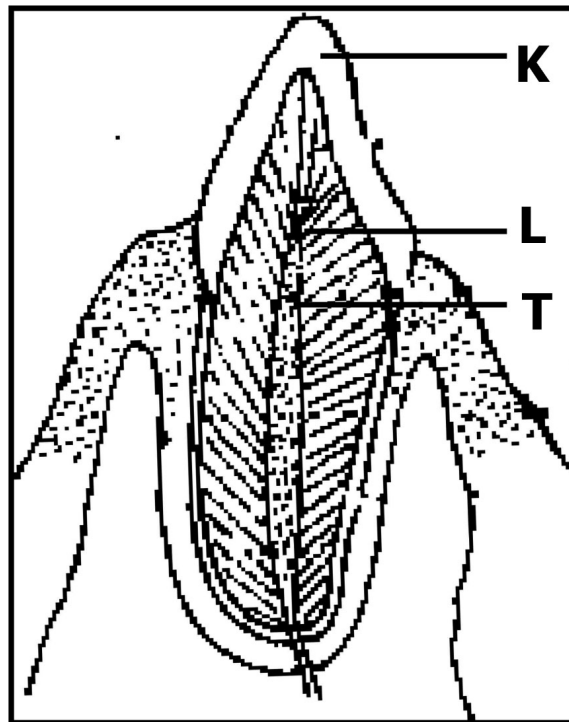
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SECTION B : 60 MARKS

Answer **all** questions in this section.
Questions **41** to **55** carry four marks each.

41. The diagram below shows a section through the human tooth. Study and use it to answer the questions that follow.



(a) Name the parts marked **L** and **T**.

(i) **L**:

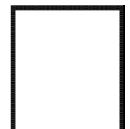
(ii) **T**:

(b) Name the mineral salt which helps to form part **K**.

.....

(c) Write down **one** way of promoting the proper functioning of your teeth.

.....



42(a) Give the reason why the moon is not a source of light.

.....

.....

(b) You are provided with the following items;

-Three cardboards **A, B, C** With a hole in the centre of each.

-a candle burning.

Describe how you can show that light travels in a straight line. **(3mks)**

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43. The table below shows food values, deficiency diseases and signs of deficiency diseases. Study and complete it correctly.

Food value	Food deficiency	Sign
Proteins	(i)	Moonlike face
(ii)	Night blindness	Poor night vision
Vitamin C	Scurvy	(iii)
Iodine	(iv)	Swollen neck



44.(a) Write down **one** advantage of rearing exotic breeds of cattle.

.....

(b) State how cattle keeping promotes good health of infants in your community.

.....

.....

(c) Mention **two** ways cattle hides are useful to people.

(i)

(ii)

45.(a) Give **one** importance of vertebrates to man.

.....

(b) Apart from being vertebrates, state two other similarities between amphibians and fish.

(i)

(ii).....

(c) Mention **one** way in which man can care for vertebrates in our community.

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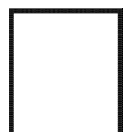
46.(a) State how irrigation ditches near our homes can promote the spread of malaria.

.....

.....

(b) Write down **one** sign of malaria.

.....



(c) Mention **two** ways a P.7 pupil can help in the control of malaria spread in the community.

(i)

(ii)

47.(a) Give any **one** advantage of family planning.

.....

.....

(b) State any **one** reason why some parents do not want to practice family planning.

.....

.....

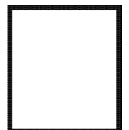
(c) How are the following artificial materials helpful in promoting family planning?

(i) condoms:

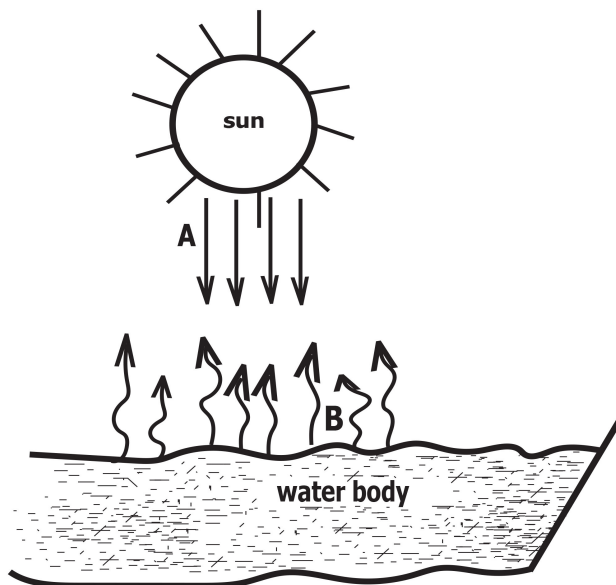
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(ii) spermicides:

.....



48. Use the diagram below showing some components of the environment to answer question.



(a) Name the physical change marked **B**.

.....

(b) How is the sun helpful in the formation of physical change marked **B**?

.....

.....

(c) State **two** ways in which heat transfer marked A is important to man.

(i)

(ii)

49.(a) State the reason why a VIP latrine does not require use of a lid to cover the hole.

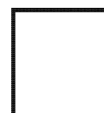
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(b) A part from a VIP latrine, name two other types of latrines.

(i)

(ii)



(c) Mention **one** way of maintaining a VIP latrine.

.....

50.(a) Give any **two** factors considered before starting up a poultry farm.

(i)

(ii)

(b) State a reason why some farmers prefer rearing poultry to rabbits.

.....

.....

(c) Name any **one** disease of poultry caused by virus.

.....

51.(a) State how humus is destroyed from the environment.

.....

.....

(b) Give **two** ways humus is important to soil.

(i)

(ii)

(c) Write down **one** way of improving the quality of soil in our environment.

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52.(a) Give **one** way bacteria are similar to amoeba in the way they reproduce.

.....



(b) Mention **two** ways bacteria can be of great importance to people.

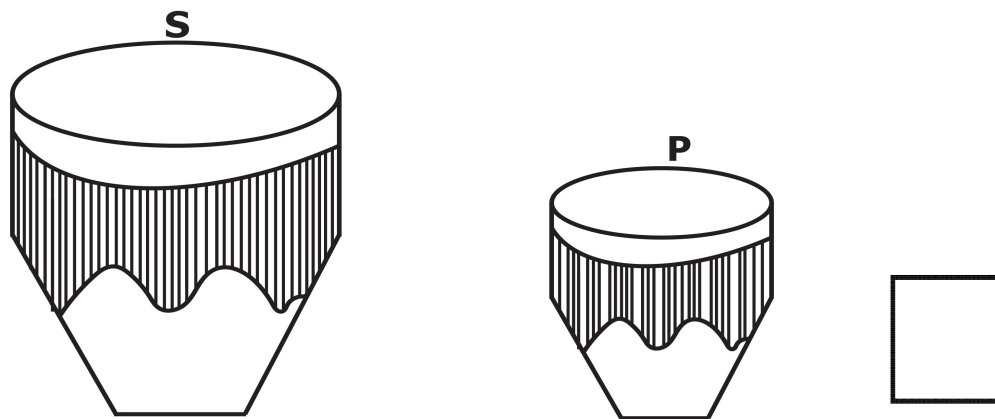
(i)

(ii)

(c) Name **one** bacterial disease that affects the reproductive system.

.....

53. The diagrams below show two drums of different sizes. Study and use them to answer the questions that follow.



(a) Identify the drum that will produce a higher pitch when the two are hit at once.

.....

(b) State why the drum identified in **(a)** above produces a higher pitch of sound.

.....

(c) To which group of musical instruments do drums belong?

.....

(d) State any **one** way of caring for drums as musical instruments.

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54.(a) Name any **one** source of water in our environment.

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(b) Explain how fencing a community water source prevents it from getting contaminated. **(2marks)**

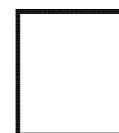
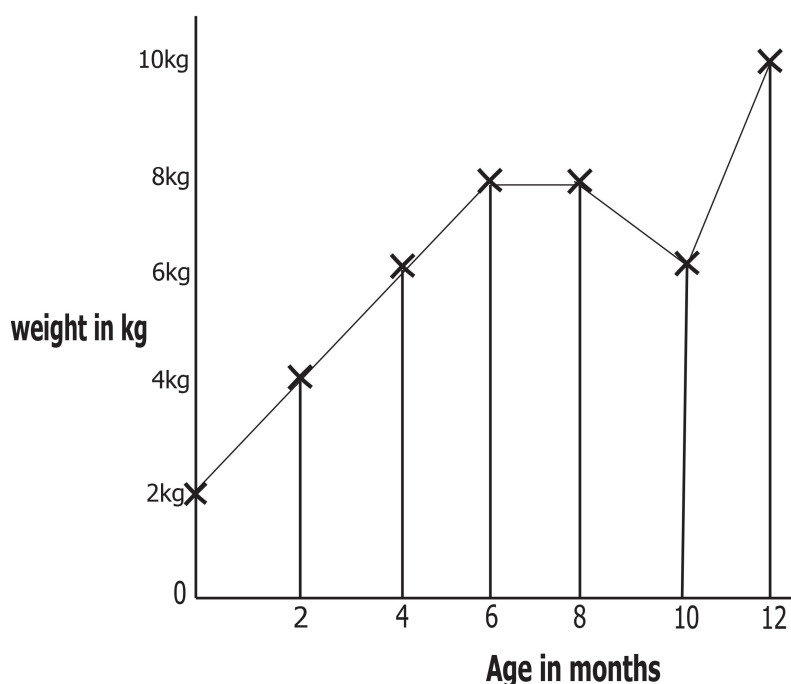
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(c) Point out **one** chemical used to treat water.

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55. The graph below shows a child's growth. Study it and answer the questions that follow.



(a) Identify the child's weight at birth.

.....

(b) State the kind of growth the graph shows between the 5th month and 8th month.

.....

(c) Give **one** possible cause of the nature of growth between the 8th and 10th month.

.....

(d) Mention **one** vaccine given to babies at birth.

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