



THE CRANES EXAMINATIONS BOARD

LAST PREDICTED SET 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:

- Do not 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** 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 other than drawings 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 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 the basic need we get from plants and animals.

.....

2. Which weather element is suitable for winnowing?

.....

3. Give any **one** sign of marasmus.

.....

4. Write down any **one** importance of water in soil.

.....

5. Identify any **one** element of PHC promoted by parents who take their children for immunisation.

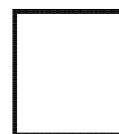
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6. Besides fungi, name any **one** other source of food in your community.

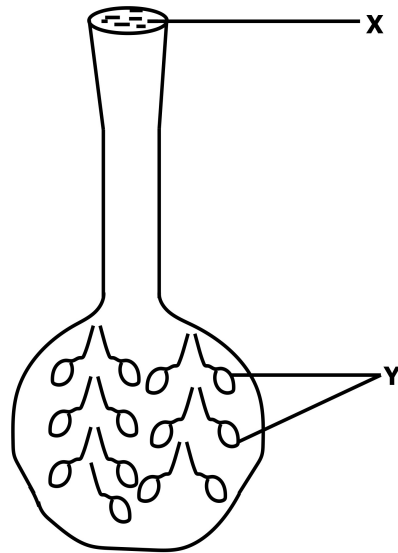
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7. State the factor that determines the sinking or floating of an object thrown on water.

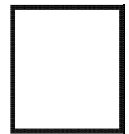
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The diagram below shows a part of a flower. Use it to answer questions **8** and **9**.



8. Name the part of the flower in the diagram above.



.....

9. What happens to part marked **Y** after fertilization?

.....

10. Identify any **one** natural change in the environment.

.....

11. Write down the element of **4Fs** which is the source of germs.

.....

12. How are tapeworms adapted to attachment onto the gut?

.....

.....

13. Why is advisable to leave a VIP latrine and hole open?

.....

14. Give any **one** energy change which takes place at the bulb if the circuit is complete.

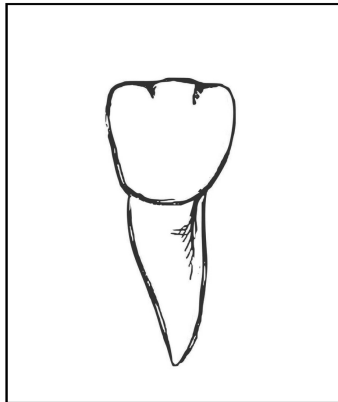
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15. Identify any **one** use of leaves to a plant.

.....

.....

The diagram below shows a type of a teeth. Use it to answer questions **16** and **17**.



16. Name the type of teeth in the diagram above.

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17. How is the above type of teeth mentioned adapted to its function?

.....

.....

18. Why are weaning babies referred to as vulnerable group of people?

.....

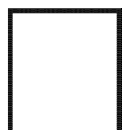
19. How can you improve soil fertility in your garden locally?

.....

.....

20. State any **one** liquid used in a clinical thermometer apart from mercury.

.....

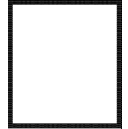


21. Define the term demography.

.....

.....

22. Change **60°C** to **°F**.



23. Give any **one** use of carbohydrates in the body besides provision of energy.

.....

24. Name the group of birds that feeds on carrions.

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25. Give the cause of fainting in humans.

.....

.....

26. State the function of melanin found in the human skin.

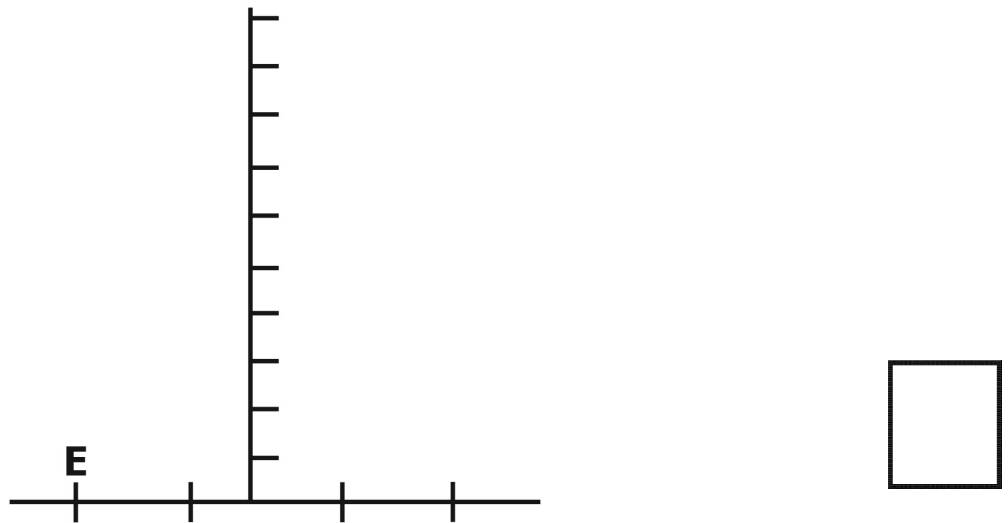
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27. Write down any **one** way white blood cells fight disease causing germs.

.....

28. Complete the diagram to show the image of the object.



29. Which force enables one apply brakes of a vehicle to stop?

.....

30. State any **one** application of single fixed pulleys in a school.

.....

.....

31. Name the non metallic conductor of electricity in a dry cell.

.....

32. How can mulching improve soil fertility?

.....

.....

33. How is a mango fruit adapted to being dispersed by animals?

.....

34. Which property of air enables one to drink soda from a bottle using a straw?

.....

35. Name any **one** exotic breed of goats kept mainly for production of mohair.

.....

36. Why is it easier to push a wheelbarrow downhill than uphill?

.....

.....

37. Give a reason why ash is added in the organic matter when making compost manure.

.....

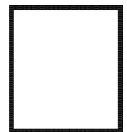
38. Mention any **one** system of keeping poultry that can be used for commercial purpose.

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39. Which method of heat transfer enables people to light a charcoal stove.

.....

40. State the principle on which an electric bell works.



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SECTION B : 60 MARKS

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

41.(a) Name the group of crops that provide multiple harvest.

.....

(b) Write down any **two** examples of crop named in **(a)** above.

(i)

(ii).....

(c) Give any **one** method used when harvesting the crops written in **(a)** above.

.....

42.(a) Define the term candling as used in poultry.

.....

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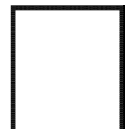
(b) State any **two** conditions needed for eggs to hatch.

(i)

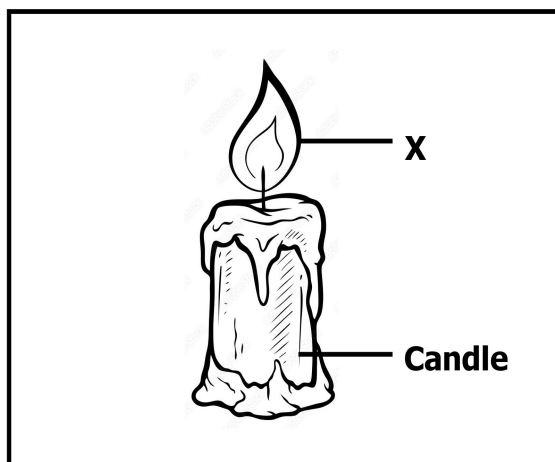
(ii).....

(c) Why should layers mash contain a lot of calcium?

.....



43. The diagram below shows a burning candle. Use it to answer questions that follow.



- (a) Name the energy change taking place at **X**.

.....

- (b) Which component of air helps the candle to burn?

.....

.....

- (c) Identify any **two** processes in living things that require the presence of component of air mentioned above in **(b)**.

(i)

(ii)



44.(a) Complete the food chain using arrows.

Bacteria Man Cow Grass

(b) Identify the following organisms from the above food chain.

(i) Producer:

(ii) Decomposer:

45.(a) Name any **one** type of latrines.

.....

(b) How far should a latrine be from?;

(i) Water source:

(ii) Living house:

(c) Give the use of a vent pipe on a VIP latrine.

.....

.....

46.(a) To which state of matter do the following belong?

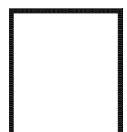
(i) Smoke:

(ii) Ice:

(b) Give any **two** effects of heat on matter.

(i)

(ii)

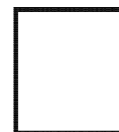
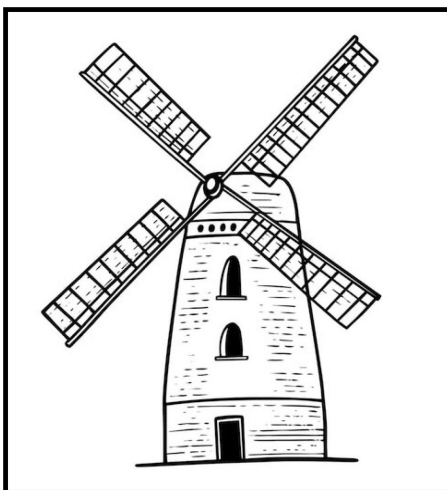


47. In the table below, **Part A** shows tools used in giving first aid and **Part B** shows their uses. Match correctly.

Part A: First aid tool	Part B: Its use
Stretcher	For cutting bandage
Safety pin	For cleaning wounds
Iodine	For carrying casualty
Pair of scissors	For fastening bandage

- (a) Stretcher:
- (b) Safety pin:
- (c) Iodine:
- (d) Pair of scissors:

48. The diagram below shows a structure used to generate electricity. Use it to answer questions that follow.



- (a) Name the above structure.

.....

(b) Give any **two** uses of the above structure apart from generating electricity.

(i)

(ii)

(c) Why is the structure shown above not commonly used in Uganda?

.....

49.(a) Write HIV in full.

.....

(b) Give the **two** types of HIV counselling.

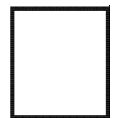
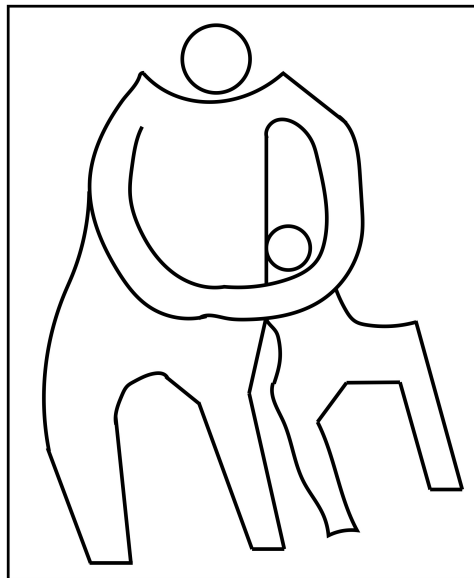
(i)

(ii)

(c) Which component of blood is affected by HIV/AIDS?

.....

50. Study the diagram and use it to answer the questions that follow.



(a) What does the symbol above mean?

.....

(b) Give any **two** activities done in the above mentioned programme.

(i)

(ii)

(c) Write down any **one** importance of the above programme in your community.

.....

.....

51.(a) Write PHC in full.

.....

(b) Which element of PHC helps to promote the health of infants?

.....

(c) Identify any **two** ways of reducing infant mortality rate in your community.

(i)

(ii)

52.(a) What is meant by the term rabbitry?

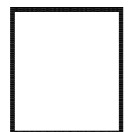
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(b) Identify any **two** diseases that attack both rabbits and humans.

(i)

(ii)



(c) Why should a rabbit hutch be built 1m above the ground?

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53.(a) Define the term breastfeeding.

.....

.....

(b) Identify any **two** importance of breast milk to a baby.

(i)

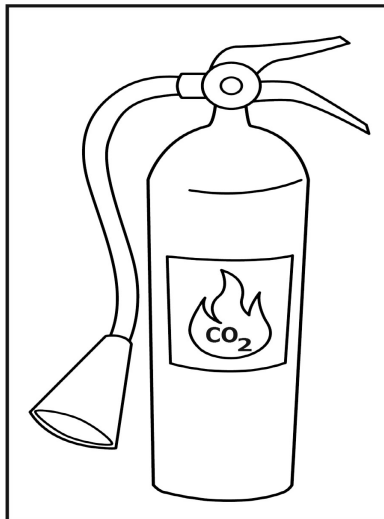
(ii)

(c) How is prolonged breast feeding important to a mother?

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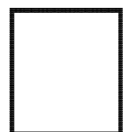
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54. The diagram below shows an equipment used to fight fire. Use it to answer the questions that follow.



(a) Name the equipment in the diagram above.

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(b) Which part of air is used in the equipment drawn above?

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(c) In **two** sentences, explain how you operate the equipment in case of fire outbreak.

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55. The table below shows excretory organs, location, waste products they remove and their diseases. Complete it correctly.

Excretory Organ	Location	Waste Product	Disease that affect the organ
(i) _____	Abdominal cavity	Bile	Hepatitis B
Lungs	(ii) _____	Carbon dioxide and water vapour	TB
Skin	External body surface	Sweat	(iii) _____
Kidneys	Abdominal cavity	(iv) _____	Bilharzia

