



# THE CRANES EXAMINATIONS BOARD

P.O BOX 87, K'LA 0762136454 / 0766737572

EMAIL: thecranesexaminationsboard.com

**PRIMARY SIX ASSESSMENT 2025**



## INTEGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

Learner's Name: \_\_\_\_\_

Learner's Signature: \_\_\_\_\_

School Name. \_\_\_\_\_

Stream. \_\_\_\_\_

### Read the following instructions carefully;

1. Do not forget to write your name and stream.
2. The paper has two sections **A** and **B**.  
Section **A** has 20 questions and section **B** has 12 questions.  
The paper has 8 printed pages altogether.
3. Answer all questions. All workings for both sections A and B must be shown in the spaces provided.
4. **All** workings must be written using blue or black ball point pen or ink. Any work written in pencil other than pictures, diagrams and graphs will **not** be marked.
5. No calculators are allowed in the examination room
6. Unnecessary changes of work and handwriting that cannot easily be read may lead to **loss of marks**
7. Do **not** fill anything in the boxes indicated for examiners' only and those inside the question paper.

### FOR EXAMINERS' USE ONLY

Qn. No	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 50		
51 - 60		
61 - 70		
71 - 80		
81 - 90		
91 - 100		
TOTAL		

**Turn Over**

## SECTION A

1. Mention any one activity that children can be involved in to keep the home clean  
.....
2. Give any one object that floats on water.  
.....
3. Mention any one example of animal fibre.  
.....
4. Name any one body organ that balances the body.  
.....
5. Mention any one way in which heat transfer by conduction is helpful to people.  
.....

The diagram below shows a maize plant. Use it to answer questions **6&7**.



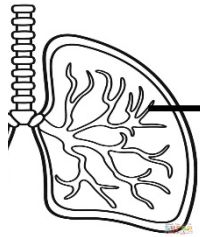
6. Name the part marked K.  
.....
7. Mention any one other kind of roots that develop from the shoot system of a flowering plant.  
.....
8. Where in the digestive system does digestion of food begin from?  
.....
9. Give any one advantage of staking bean crops.  
.....
10. Name any one device that is used to store sound.  
.....
11. State the function of gills to a fish.  
.....
12. Give any one form of wood fuel.  
.....
13. Kaka was bitten by a poisonous snake on her way to school. State the main reason why she should be given first aid.  
.....
14. Give any one way in which filtration is important to people.  
.....
15. Name the part of a bean seed that develops into the root system.  
.....

16. State any one cause of soil erosion.

17. Name the cattle disease that attacks the udder.

18. Write down any one disease that destroys the red blood cells.

The diagram below show parts of the human respiratory system. Study it and answer questions 19 and 20.



19. What is the main function of the body organ above?

20. Where does respiration take place in the body?

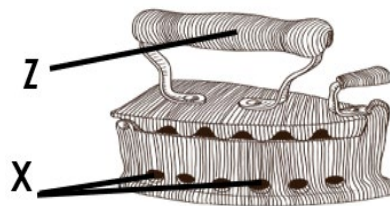
21. State any one sign of good sanitation at home.

22. State any one reason why we should paint garden tools.

23. Write down any one way bee keepers can protect themselves from bee stings when harvesting honey.

24. State any one way in which trees are important in the control of soil erosion.

The diagram below shows a common equipment used at home. Use it to answer the questions 25 and 26.



25. How is the equipment above important at home.

26. What is the best material for making part Z?

27. State any one use of the splints in giving first aid.

28. Give the reason why the trachea is made up of rings of cartilage.

29. Name any one example of a biological change in animals.

30. State any one similarity between fungi and animals.  
 .....  
 31. Name the component of soil that enables plants to make food.  
 .....

The diagram below shows a crop growing practice. Study and use it to answer questions 32 and 33.

1 <sup>st</sup> season <b>BEANS</b>	2 <sup>nd</sup> season <b>MAIZE</b>
3 <sup>rd</sup> season <b>RICE</b>	4 <sup>th</sup> season <b>SWEETPOTATOES</b>

32. Identify the crop growing practice drawn above  
 .....  
 33. State any one importance of the above practice to the soil.  
 .....  
 34. Name the fungi used when making alcohol by fermentation.  
 .....  
 35. State any one advantage of using mercury in thermometers.  
 .....  
 36. Apart from oxygen, mention any one other condition necessary for seeds to germinate.  
 .....  
 37. State any one way of saving electricity at home.  
 .....  
 38. Name the type of mosquito that spreads malaria to people.  
 .....  
 39. In which way is sugar cane plant propagated?  
 .....  
 40. Apart from capital, mention any one other factor that should be considered when starting a cattle farm.  
 .....

**SECTION B(60 Marks)**

41. a) Give the meaning of the following terms;  
 i) social insect.....  
 ii) solitary insects.....  
 b) Identify any two examples of insects that pollinate flowers.  
 i) .....  
 ii) .....  
 42. a) What is swarming?  
 .....  
 .....

b) State any two reasons why bees swarm.

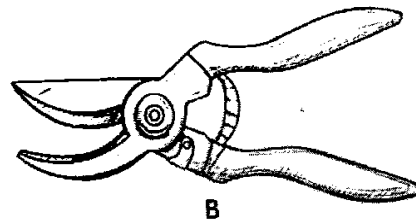
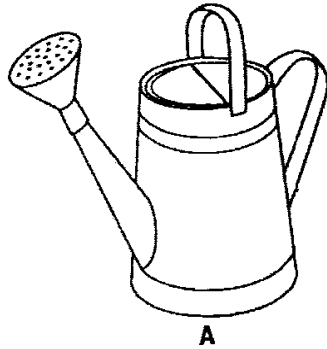
i) .....

ii) .....

c) State any one way in which bee keepers prevent bees from swarming.

.....

43. The diagrams below show garden tools used to carry out crop growing practices. Study and use it to answer the questions that follow.



a) What name is given to the garden tool marked;

i) A .....

ii) B .....

b) Give any one way in which a crop farmer can care for the garden tool marked A.

.....

c) Give the importance of the garden tool marked B.

.....

44. The table below, part A shows deficiency diseases and their cause in part B of the table.

Part A: diseases	Part B: cause
Scurvy	Lack of iodine
Kwashiorkor	Lack of food values
Marasmus	Lack of vitamin C
Goitre	Lack of proteins

Use the causes in part B of the table to match the deficiency diseases below.

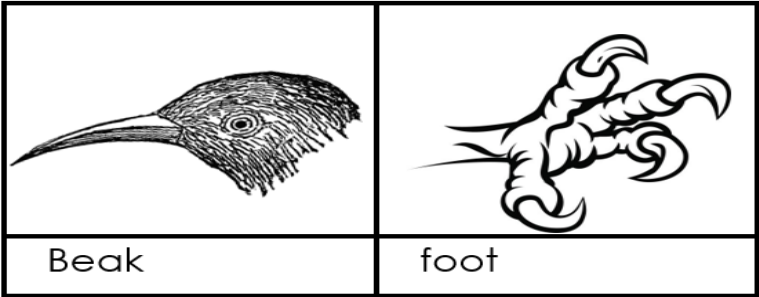
a) scurvy .....

b) kwashiorkor .....

c) Marasmus .....

d) Goitre .....

45. a) What is seed dispersal?  
 .....  
 .....  
 b) State the method of seed dispersal.  
 i) Jackfruit .....  
 ii) Tridax .....  
 c) State any one agent of seed dispersal  
 .....  
 46. **The diagrams below show the foot and beak of a bird. Study and use them to answer the questions that follow.**



- a) Give any one example of a bird with such a type of beak.  
 .....  
 b) Identify the group of birds with the type of foot drawn above..  
 .....  
 c) Give any one way the parts of the bird shown are important to a bird.  
 i) Foot.....  
 ii) Beak.....  
 47. a) Give any two examples of essential drugs.  
 i) .....  
 ii) .....  
 b) Give any one reason why some people abuse drugs in the community.  
 .....  
 c) State any one example of drugs of dependence.  
 .....  
 48. The table below of the list of animals. Study and use it to answer the questions

U	V	W
Frog	Tortoise	Goat
Caecilian	Crocodile	Rat
Salamander	Snakes	kangaroo

a) Name the class of vertebrates to which the animals in W belong.

.....

b) State any two characteristics of animals in group U.

i) .....

ii) .....

c) Give any one way in which reproduction in animals W is different from that in animals in V.

.....

49. a) Name the units used to measure the volume of an object.

.....

b) A substance has density of 3g/cc with mass of 15g. Find the volume of the substance. (3 marks)

50. a) State any two ways of preserving fish at home.

i) .....

ii) .....

b) Give one reason why people preserve food.

.....

c) Name any one organism that makes food to go bad.

.....

51. (a) Give the function of the following body organ in the body.

i) heart.....

ii) brain.....

b) Mention two ways of caring for the skin.

i) .....

ii) .....

52. a) Define the term soil erosion.

.....

b) State any two agents of soil erosion.

i) .....

ii) .....

c) Mention any one type of soil erosion.

.....

53. a) Name any two examples of waterborne diseases.

i) .....

ii) .....

b) State any two ways of preventing waterborne diseases.

i) .....

ii) .....

54. a) Name any two activities that can be done by children to prevent bad body smell.

i) .....

ii) .....

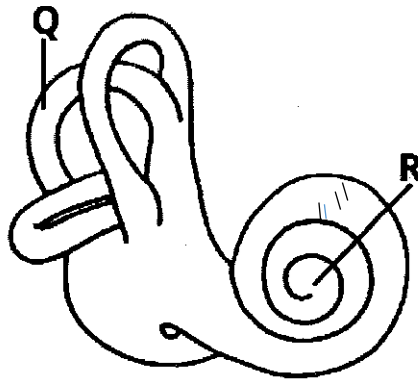
(b) Apart from having a bad body smell, mention any one other danger of improper body hygiene.

.....

(c) Give any one disease that can be spread due to poor body hygiene.

.....

55. The diagram below shows internal part of human ear. Study and use it to answer the questions that follow.



a) Name the parts marked Q and R

i) Q .....

ii) R .....

b) State any one way of caring for the human ear.

.....

c) State the function of the part marked R in the process of hearing.

.....