



KAMPALA CITY EXAMINATIONS BOARD

QUALITY CHECK TWO

2025

INTEGRATED SCIENCE

Time Allowed: 2 hours 15minutes

Random No.						Personal No.		

Candidates' name:

Candidates' 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 **16 printed pages**.
3. Answer **all** the questions. **All** the answers for both sections **A** and **B** must be shown in the spaces provided.
4. **All** the 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:40MARKS

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

1. Name the body organ that uses light to perform its function.

.....

2. Give **one** reason why a bat is regarded a mammal.

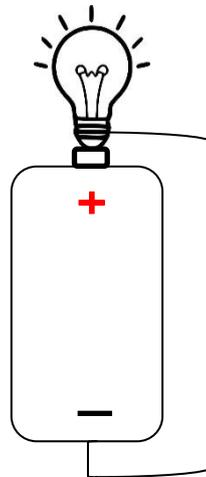
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3. How is a worker bee able to carry nectar from flowers?

.....

.....

Use the diagram of a simple electric circuit below to answer the questions **4** and **5**.



4. Which form of energy is produced by the dry cell shown above?

.....

5. Use an arrow on the wire above to show the flow of electrons on the simple electric circuit.

.....

6. In which **one** way can a mother protect family members against poisoning?

.....

7. Why is a fire extinguisher painted with bright colours?

.....

.....

8. Give **one** reason why induced magnets are regarded as temporary magnets.

.....

9. How is a sweater able to keep us warm in cold weather?

.....

.....

10. Give **one** danger of pouring oil from engines on the soil in a crop garden.

.....



11. State the importance of putting sugar when preparing oral rehydration solution at home.

.....

12. Name **one** life skill that can be developed to prevent drug abuse.

.....

13. In which **one** way is pineapple propagated?

.....

14. Why do we see the flash of lighting before we hear the sound of thunder during rainstorm?

.....
.....

15. In which **one** way is a millipede useful to a farmer?

.....

16. Name **one** non communicable disease which affects skeleton.

.....

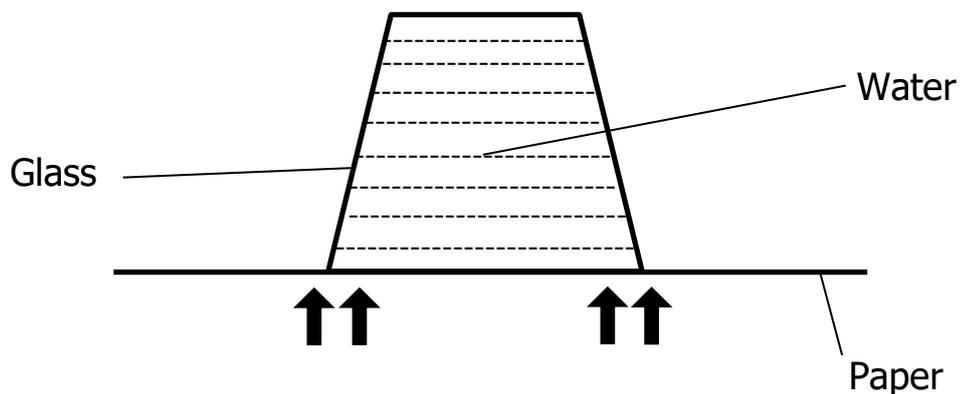
17. Give **one** way of improving the volume of blood in the human body.

.....

18. Why is ash added to faeces after using an Ecosan latrine?

.....
.....

The diagram below shows **one** of the property of air. Use it to answer the questions **20** and **21**.



19. Which property of air is shown in the diagram above?

.....
.....

20. In which **one** way is the above property useful in our daily life?

.....



21. Give **one** way how a poultry farmer can help birds to do physical exercise in a deep litter house.

.....

22. State **one** use of a razor blade in the promotion of personal hygiene.

.....

23. Name **one** source of alternating current electricity.

.....

24. Why is copper commonly used in making electric wires instead of silver?

.....

.....

25. Mention **one** way how plants with weak stems climb others.

.....

26. Which delicate body part is protected by backbone?

.....

27. State **one** way of controlling diseases without using drugs.

.....

28. Which type of stems are found in sweet potato plants?

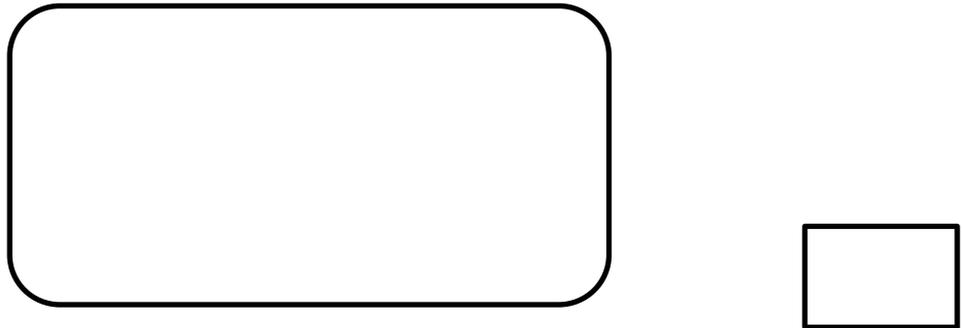
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29. In which **one** way is petrol in vehicle similar to food in the human body?

.....
.....

30. In the space below, draw a symbol of the component of electric circuit that breaks the circuit in case of too much flow of electricity.



31. Give **one** reason why legs of a person who has fainted are raised higher than the head when giving first aid.

.....
.....

32. Apart from humus and rock particles, state other non-living component of soil.

.....

33. State **one** similarity between birds and reptiles in term of reproduction.

.....
.....

34. Why is distilled water not a good conductor of electricity?

.....
.....

35. How are lizards able to move in the ceiling of houses without falling down?

.....
.....

36. Give **one** way in which plants reduce transpiration during hot days.

.....
.....

37. In which **one** way is an armsling useful when giving first aid for fracture?

.....
.....

38. State **one** way in which plants reduce the rate of air pollution.

.....
.....

39. Give a reason why sweet potatoes do not require mulching.

.....
.....

40. Name the gas produced by yeast that rises dough baking.

.....
.....



SECTION: B 60 MARKS

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

41. (a) Write down **two** examples of short bones on the human skeleton.
- (i)
- (ii)
- (b) In which **one** way are bones useful to the circulatory system?
-
-
- (c) Which structure joins muscles to bones in the human skeleton?
-
-
42. (a) Why are breastfeeding babies likely to get anemia?
-
-
- (b) Give **two** reasons which may force a mother to use bottle feeding.
- (i)
- (ii)
- (c) State **one** reason why bottle feeding is sometimes discouraged to be used in the families.
-
-



43. The table below shows the type of electricity and their sources. Complete the gaps by filling the missing parts.

TYPES OF ELECTRICITY	SOURCES OF ELECTRICITY
Hydro-electricity
.....	The sun
Geothermal electricity
.....	Uranium

(a) Give the meaning of **primary health care**.

.....

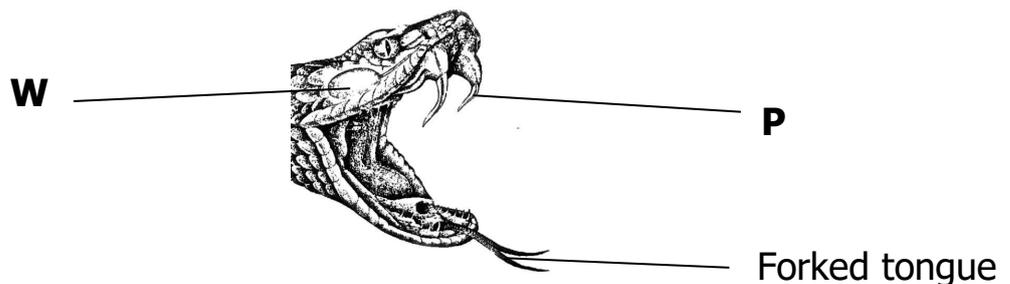
(b) State any **one** principle of primary health care.

.....

(c) In which **two** ways can a family promote primary health care?

- (i)
- (ii)

44. The diagram below shows the head of a poisonous snake. Use it to answer the questions that follow.



(a) Name the part marked with letter;

(i) **P**

(ii) **W**

(b) State the function of the forked tongue to the snake.

.....

(c) In which **one** way is the part marked **W** useful to poisonous snake?

.....

45. Kato accidentally poured sand in his salt. Given the following items, source of heat, container, water, saucepan, spoon and a sieve. Explain in **four** sentences how Kato can recover his salt. (04 Marks)

.....

.....

.....

.....

46. (a) Why do birds sometimes lay eggs with soft shells?

.....

(b) Apart from egg eating, State any **two** other examples of poultry vices.

(i)

(ii)

(c) Why are laying boxes put in dark corners of a poultry house?

.....



47. (a) Give any **one** cause of teenage pregnancy in girls.

.....

(b) State any **two** effects of teenage pregnancy in girls.

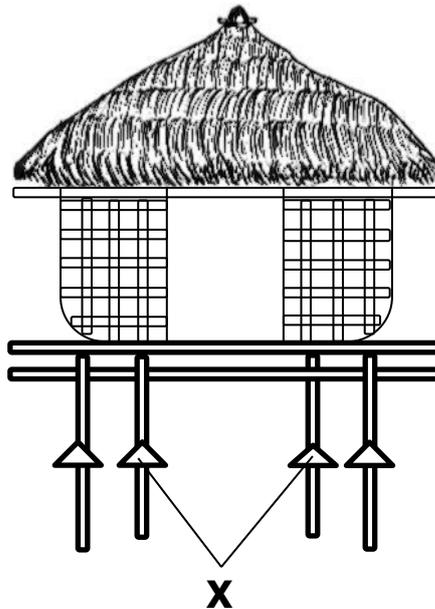
(i)

(ii)

(c) In which **one** way can parents safeguard their girls from teenage pregnancy?

.....

48. The diagram below is of a food storage. Study it carefully and answer the questions that follow.



(a) Name **one** example of animal pest which is prevented by the above structure.

.....

(b) How are structures marked **X** adapted to their function?

.....

.....

(c) Give any **one** reason why the above structure is raised above the ground.

.....

(d) Mention **one** food stuff that can be stored in the above structure.

.....

49. (a) Why are worker bees regarded as sterile bees in a hive?

.....

.....

(b) What happens when a new queen bee is produced?

.....

(c) State any **two** products obtained from bees.

(i)

(ii)

50. (a) Give the meaning of the term " a child health card"

.....

.....

(b) Give the importance of a child health card to;

(i) a mother

.....

(ii) a health worker

.....

(c) State any **one** important information found on a child health card.

.....

51. (a) Why is a frog able to live both in water and on land?

.....
.....

(b) In which **one** way is a frog useful to a man?

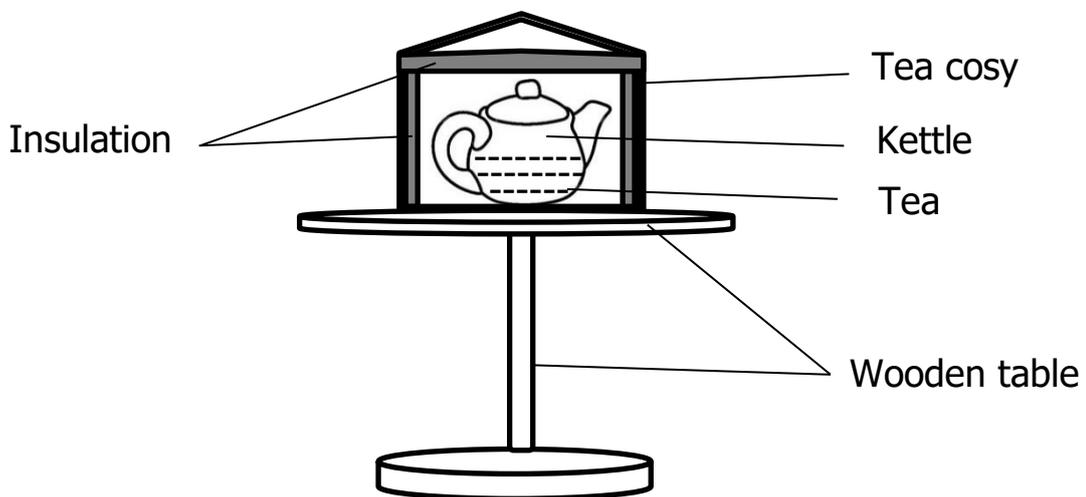
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(c) Give **two** reasons why a frog use a jelly-like smelling structures to cover their eggs.

(i)

(ii)

52. The diagram below shows a tea cosy. Study it carefully and answer the questions that follow.



(a) Give the reason why the tea cosy in the kettle is able to remain hot for long time.

.....
.....

(b) State what would happen to tea if the kettle had been placed on a metallic table.

.....
.....

(c) Give the reason for your answer in (b) above.

.....
.....

(d) Mention **one** way in which the tea cosy above is similar to a thermo flask.

.....
.....



53. (a) Why are fossil fuels regarded as non-renewable energy resources?

.....
.....

(b) Apart from fossil fuel, State any other **two** examples of non-renewable energy resources.

(i)

(ii)

(c) State any **one** way of conserving non-renewable energy resources.

.....
.....

54. (a) Why are biceps and triceps regarded as voluntary muscles?

.....
.....

(b) Give **two** uses of muscles in the human body.

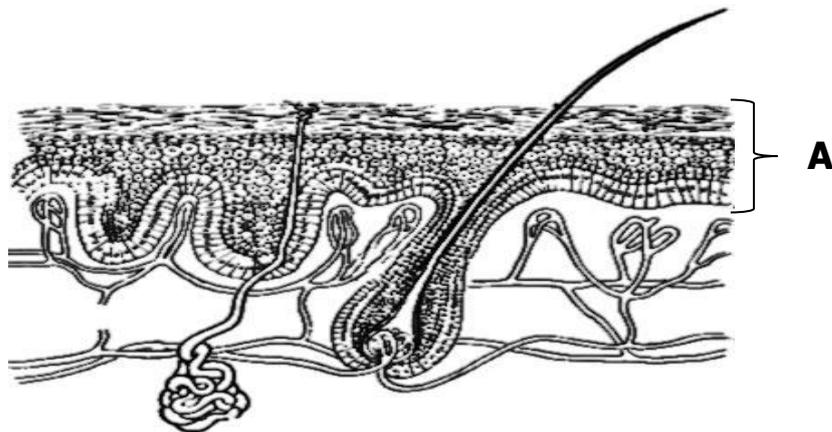
(i)

(ii)

(c) Name **one** immunisable disease that attacks the muscles.

.....

55. The diagram below is of a human skin. Study it and answer the questions that follow.



(a) Name the layer marked **A**.

.....
.....

(b) State **one** way in which the skin is able to detect change in temperature.

.....
.....

(c) Name **one** deficiency disease which affects the human skin.

.....
.....

(d) State **one** role of melanin pigment in the human skin.

.....
.....

THE END

