



KAMPALA CITY EXAMINATIONS BOARD

"The city of success"

2024

INTERGRATED SCIENCE
UNIVERSAL SET ONE

Time allowed: 2hours 15 minutes

| RANDOM NO. | | | | | | Personal No. | | |
|------------|--|--|--|--|--|--------------|--|--|
| | | | | | | | | |

CITY
EXAMS

Pupil's Name:

Pupil's Signature:

District Name:.....

Read the following instructions carefully:

1. Do not forget to write your **school** or **district** name anywhere on the paper.
2. This paper has two sections **A** and **B** Section **A** has **40** questions and section **B** has **15** questions. The paper has **13** printed pages altogether.
3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown 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 will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to loss of marks.
6. Do not fill anything in the table indicated:
FOR EXAMINERS' USE ONLY And boxes inside the question paper.

| FOREXAMINERS'USEONLY | | |
|----------------------|-------|----------|
| Qn. No. | MARKS | EXR'SNO. |
| 1-10 | | |
| 11-20 | | |
| 21-30 | | |
| 31-40 | | |
| 41-43 | | |
| 44-46 | | |
| 47-49 | | |
| 50-52 | | |
| 53-55 | | |
| TOTAL | | |

SECTION A: (40 marks)

1. Name the **part** of a flower that produces male gametes.

.....

2. Give **one** way of replacing animals as renewable energy resources.

.....

.....

3. Apart from brightly colored petals, state any **other** things which attracts insects on flowers.

.....

.....

4. State the **purpose** of raising the legs of the victim who has fainted higher than the head.

.....

.....

5. In the space provided below, draw a **diverging** beam of light.



6. In which **one** way is gap filling useful in crop production.

.....

.....

7. Give the **function** of ventilators on living house.

.....

.....



8. State any **one** effect of refraction of light in our daily life.

.....

.....

9. Give any **one** biological change that enables living things to increase in size.

.....

10. State the **reason** why most cooking pans are made of aluminum.

.....

11. How **does** the skin regulate body temperature on cold days?

.....

The diagram below shows a device used to store sound. Study and use it to answer

The questions 12 and 13



12. Identify the **method** of storing sound using the device above.

.....

13. State any **one** way of reproducing sound stored on the device.

.....

14. Name **one** activity that requires the property of air exerts pressure.

.....

15. In which **one** way is the propagation of sisal similar to that of banana plant.

.....

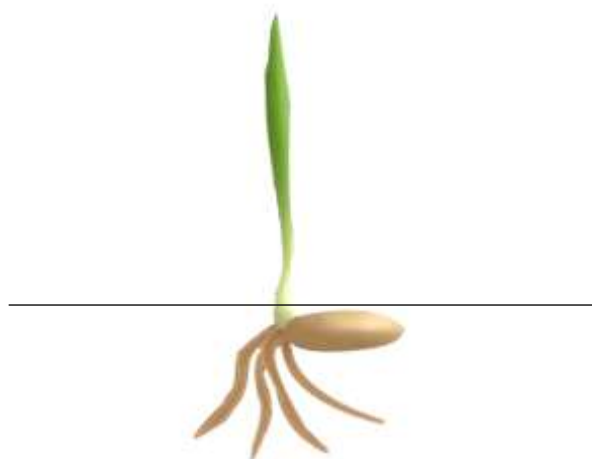
16. Apart from scapula, give **one** other example of a flat bone in the human skeleton.

17. State the **property** of magnets that enables pilot to locate places he/she is flying to.

18. Which **gas** has the least percentages in the atmosphere?

19. Give **one** disadvantage of people living with domestic animals in the same house.

20. The **diagram** below shows germinating seed, use it to answer questions 21 and 22



21. Name the **type** of germination shown in the diagram.

22. State **one** characteristic of seeds that undergoes the above type of germination.

23. In which **one** way is a pulley useful to mother at home.

24. Why is **cotton regarded** as perennial crops?

25. Give **one** reason why numbering is done on a farm.

.....

26. Which part of **an insect** has the same function like swim bladder on a fish?

.....

27. How is lightening **useful** to a farmer.

.....

.....

28. Identify the **force** of attraction between molecules of the same kind.

.....

.....

29. Give **one** way in which toadstools are similar to ferns.

.....

.....

30. State **one** way in which drug poisoning can be prevented among children at home.

.....

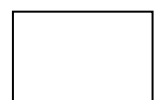
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31. Name the body **organ** which regulates blood sugar.

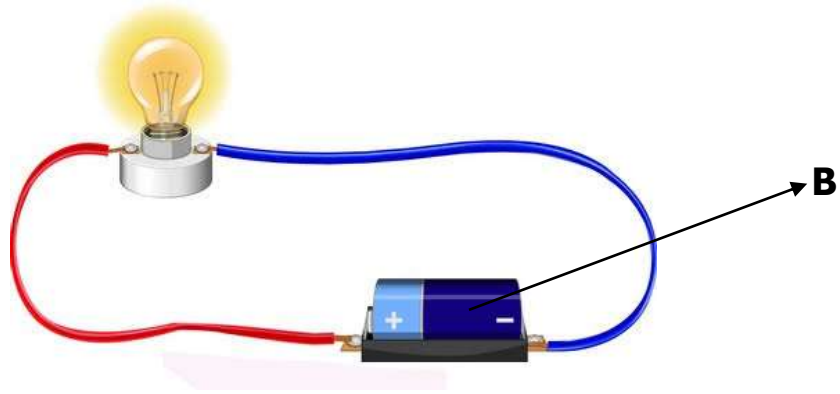
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32. Which domestic **animal** is used for protection?

.....



The **diagram** below is a simple electric circuit. Use it to answer questions 33 and 3



33. Which **form** of energy is produced by the device marked B?

.....

34. Use an **arrow** on the circuit above to show the flow of electrons.

35. State **one** adaptation that enables birds like a kite to fly long distances.

.....

36. Why can't sound travel through a vacuum?

.....

37. How **does** the Iris control the amount of light entering the eyes?

.....

38. Give **one** example of a vermin.

.....

39. Why do laying **boxes** put in dark corners in a poultry house?

.....

40. How **does** sleeping under mosquito nets controls the spread of malaria?

.....



SECTION B (60 marks)

41 A) Where **does** conception takes place in the female reproductive system.

.....
.....

b) Give **one** primary sex characteristic common in both boys and girls.

.....

c) Write any **two** life skills an adolescent girl can develop to prevent unwanted pregnancy.

i.

ii.

42a) Identify the body **sense** that enables a primary seven child to tell the presence of sugar in tea.

.....

b) Write down any **two** ways in which a primary seven pupil can promote personal hygiene.

i.

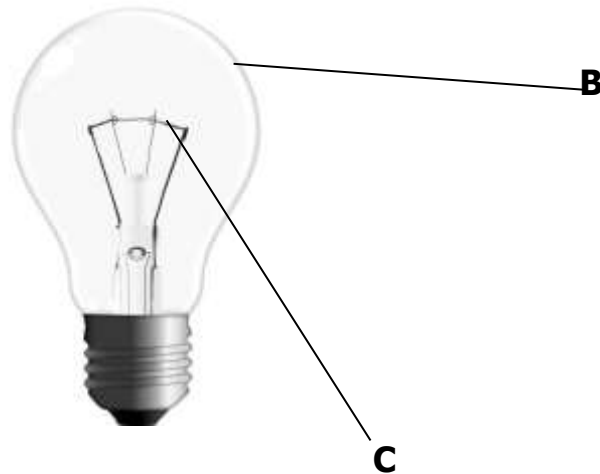
ii.

c) Why is proper personal hygiene **useful** to a primary seven child?

.....
.....



43. The **diagram** below shows an electric bulb. Use it to answer questions that follow.



a) Name part marked **C**.

.....

b) Why is part marked **C** coiled?

.....

.....

c) What **energy** change takes place in the bulb when it is in use?

.....

d) Give **one** reason why part marked B part is transparent.

.....

44 (a) Which **digestive** juice is secreted in the ileum?

.....

(b) Why are **vitamins** and mineral salts not digested in the alimentary canal of man?

.....

(c) State any **two** ways of maintaining proper working of digestive system.

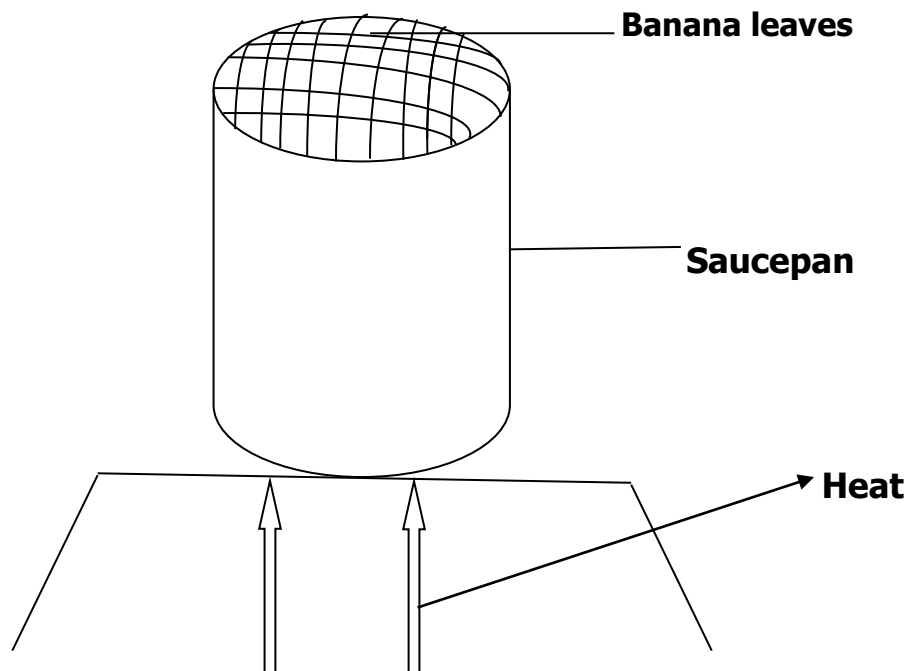
i.

ii.



45. Study the local method of food preparation shown below and answer

Questions on it.



a. Name the method of **heat** transfer that enables the food to get ready in the above arrangements.

.....

b. Why is the banana **leaves** used to cover the food?

.....

.....

c. Apart from white **yams**, give any one other food stuffs prepared using the above method.

.....

d. Give any one step used in preparing the **food** before cooking.

.....

46. a. Apart from **electric** method, give any one other way of making temporary magnets.

.....

b. What happen to a freely suspended **magnet**?

.....

.....

c. Write down any **two** ways of making magnets lose magnetism.

.....

.....



47. Complete the missing **parts** correctly.

| Diseases | Vaccine | Site on the body |
|--------------|-------------|------------------|
| Tuberculosis | BCG Vaccine | |
| Hepatitis B | | left upper thigh |
| | Hib vaccine | |

48. a. Write down any two **cattle** diseases prevented by application of quarantine.

- i.
- ii.....

b. How does application of **quarantine** help in controlling the above cattle diseases?

.....

c. Why are ticks regarded as **parasites** in cattle?

.....

49. a. What are **voluntary** muscles?

.....

b. Why are **biceps and triceps** called antagonistic muscles.

.....

c. Identify the **structure** that connects muscles to bones.

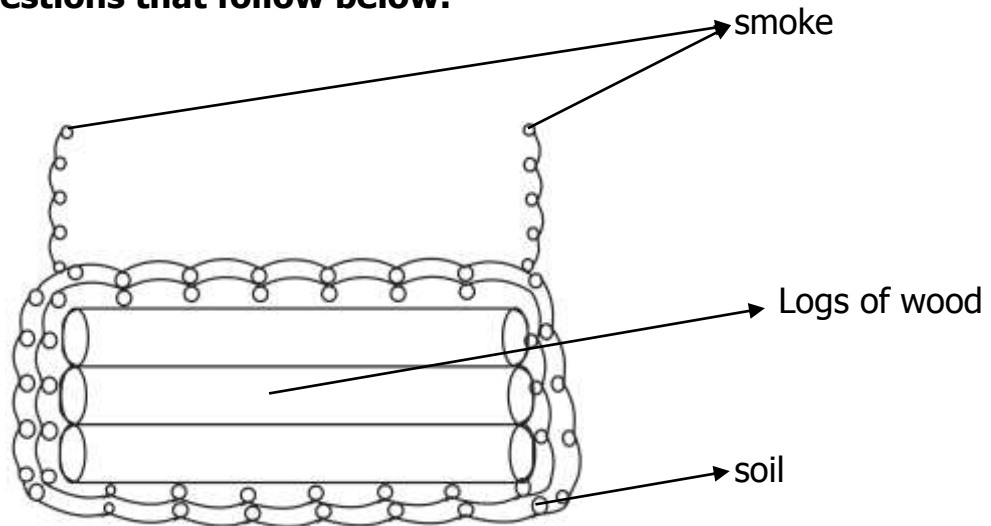
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d. State one **way** of maintaining proper working of muscular skeletal system.

.....



50. The diagram below shows the production of wood fuel. Study and use it to answer questions that follow below.



a. Identify the **fuel** obtained from the above method.

.....

b. How is the above **fuel** named in (a) above obtained.

.....

c. State the **importance** of covering the logs of wood with soil.

.....

d. In which **one** way is the production of the above fuel unfriendly to the environment

.....

51. a. Why is **water** not recommended to put out petrol fires?

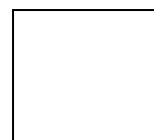
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b. Write down any **two** ways of putting out petrol fires.

- i.
- ii.

c. In which **one** way is burning regarded as a chemical change.

.....



52. How does the following **animals** protect themselves from enemies?

- a. Caterpillar
- b. Cats
- c. Bed bugs
- d. dogs

53. a. Why is a fresh **water snail** regarded as invertebrates?

.....
.....

b. Which **disease** is spread by a fresh water snail to humans?

.....

c. Apart from fresh **water snails**, give any other two examples of molluscs.

.....
.....

54. a. Write down any **two** signs of a person suffering from marasmus.

.....
.....

b. Why is **marasmus** considered as a non- communicable disease?

.....
.....

c. Apart from **carbohydrates**, state any other class of food that provides energy in the body.

.....

55. Match the type of current electricity with their sources.

List A

- i. Hydroelectricity
- ii. Geo thermal electricity
- iii. Nuclear electricity
- iv. Thermal electricity

List B

- Coal
- Fast flowing water
- Rocks and hot springs
- Uranium
- Water tides

- i. Hydro-electricity
- ii. Geothermal electricity
- iii. Nuclear electricity
- iv. Thermal electricity

END

