



KAMPALA CITY EXAMINATIONS BOARD

"The city of success"

2024

INTERGRATED SCIENCE

Time allowed: 2 hours 15 minutes

RANDOM NO.						Personal No.			

**CITY
EXAMS**

Pupil's Name:

Pupil's Signature:

District Name:

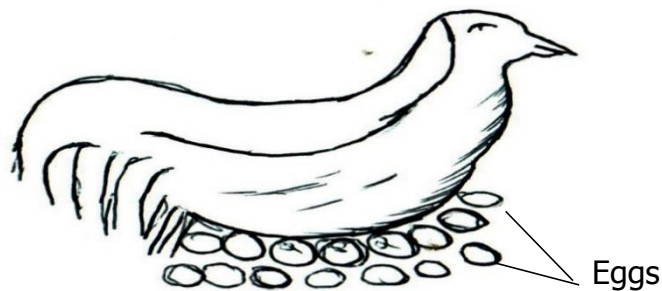
Read the following instructions carefully:

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 **14** 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.

FOR EXAMINERS'USE ONLY		
Qn. No.	MARKS	EXR'SNO.
1–10		
11–20		
21–30		
31–40		
41–43		
44–46		
47–49		
50–52		
53–55		
TOTAL		

1. Name the **blood vessel** that connects arteries to veins.
.....
2. Which **part** of fish plays the same role like the ears in human beings?
.....
3. Why is sugarcane not regarded as **stem tuber**?
.....
4. Give **one** difference between cassava and toadstool in their way of feeding.
.....
5. How **does** photosynthesis reduce pollution in the atmosphere?
.....
.....

Use the **diagram** below and answer the question that follows 6 and



6. Which type of **incubation** is shown in the diagram above?
.....
7. State any **one** advantage of using the above type of incubation in poultry management.
.....
8. Give the permanent artificial **family planning** method in Males.
.....
9. In which **one** way is setting up bee hive in areas without flowers lead to swarming?
.....
10. How **hydrochloric acid** in the stomach is useful during digested?
.....
11. In which **one** way is fish rearing help to control the spread of malaria?
.....
12. Why is **distillated water** not regarded as a good conductor of electricity?
.....

13.State any **one** advantage of breast feeding over bottle feeding.

.....

14.Which animal **fibre** is obtained from goats?

.....

15.In the space provided below, draw a symbol for the **fuse**.



16.Why is a **mushroom** not considered as a plant?

.....

17.In which **one** way are egrets birds useful to a cattle farmer?

.....

18.State any **one** functional difference between synovial membranes.

.....

19.Which part of the skeleton protects the **spinal cord**?

.....

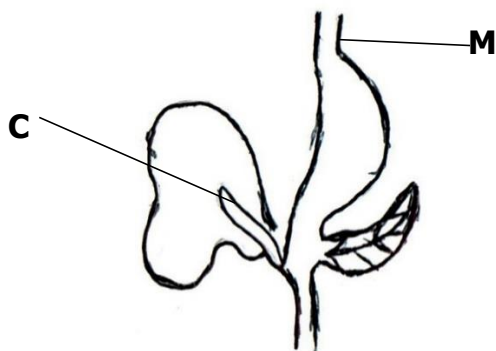
20.Name **one** body organ responsible for conduction of inulin.

.....

21.Apart from blood, give **one** other body fluid that contains AIDS virus.

.....

Use the diagram below to answer the questions **22** and **23**



22. Name the part marked **M**

.....

23. State the **function** of part C to the above body system.

.....

24. In which **one** way is a lactometer useful to a cattle farmer?

.....

25. To which group of **invertebrates** do we find lobsters?

.....

26. What **energy** change takes place when wood burns?

.....

27. Apart from cooling the temperature around the burnt part. State any other reason for putting the **burnt** area in clean cold water.

.....

.....

28. How **does** the use of latrine at home help to improve on the health of people?

.....

29. Why elephant is **considered** a water habitant vector disease?

.....

30. In which **one** way is a placenta useful to a developing foetus?

.....

31. Give **one** reason why wood for electricity poles should be treated using wood preservatives.

.....

32. Give **one** way in which a health survey is carried out in an area.

.....

33. Why is **red** considered as a primary colour?

.....

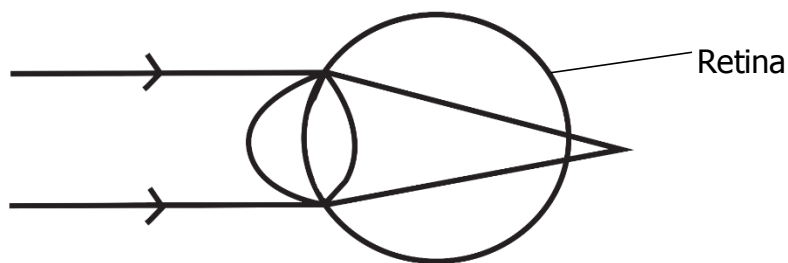
34. Which **disease** is spread by blackfly?

.....

35. State the importance of **transpiration** to plants.

.....

Use the diagram below to answer questions **36** and **37**.



36. Name the **eye defect** shown above.

.....

37. Which lens is used to correct the above **eye defect**?

.....

38. In which **one** way are ventilators on a living house similar to chimney on a kitchen?

.....

39. State any **one** disadvantage of using dry cell.

.....

40. How **does** galvanizing of iron sheets help to prevent rusting?

.....

SECTION B

41a) Name any **two** plant fibre in our environment.

.....

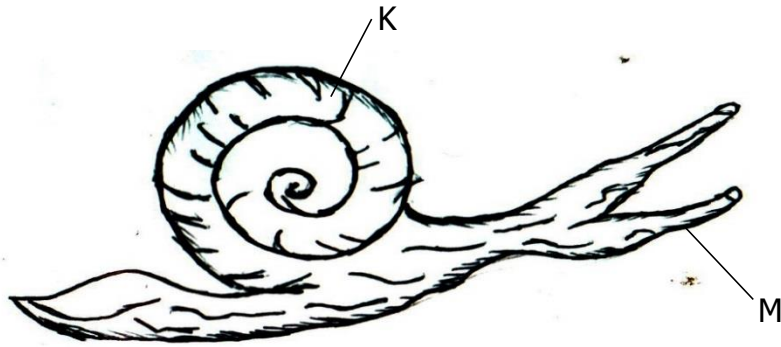
.....

b) Give any **two** uses of plant fibres to people.

i.

ii.

42. The **diagram** below shows molluscs. Use it to answer questions that follows.



a) Name the part marked **K**.

.....

b) In which one way is part **M** useful to the animal above.

.....

c) Which disease is spread by the above animal to people?

.....

d) Why is the above animal regarded as an **invertebrate**?

.....

43a) What are **monotremes**?

.....

.....

b) Why are the monotremes regarded as a most primitive groups
Of mammals?

.....

.....

c) Write down any two examples of Monotremes

.....

44 a). How does Paddocks grazing control **ticks** on the farm?

.....

b. Apart from using **Paddocks** grazing, state any other **two** ways of controlling
ticks.

I.

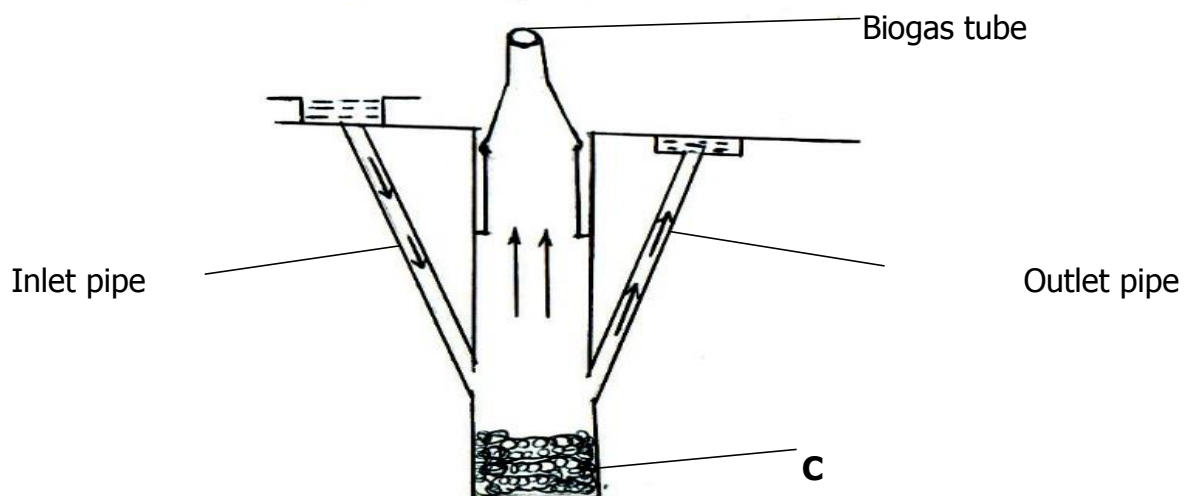
II.

c. Why are **ticks** considered parasites?

.....

.....

45. The diagram below shows an **equipment** used at home.



a. Name the **equipment** shown above?

.....

b. What scientific name is given to materials collected at **C**?

.....

c. Why is the above equipment tightly **sealed**?

.....

d. How **does** the use of the above equipment help to conserve the environment?

.....

46. a. Give **one** breed of goat responsible for mohair?

.....

b. In which **one** way is the reproduction in goats similar to a whale?

.....

c. Write down any **two** advantages of rearing goats over cattle as live stocks?

- i.
- ii.

47. a. Match the **vaccines** given in list A to the body sites in list B.

List A

- i. BCG Vaccine
- ii. Hep B Vaccine
- iii. Measles vaccine
- iv. Polio vaccine

List B

- right upper thigh
- mouth
- left upper thigh
- left upper arm
- Right upper arm

- i. BCG Vaccine
- ii. Hep B Vaccine
- iii. Measles vaccine
- iv. Polio vaccine

48. a. How does **AIDs** lowers body immunity?

.....

b. Give any **one** sign of AIDs which is similar to a person suffering from tuberculosis?

.....

c. How does a P.7 pupil prevent a contraction of **AIDs**?

.....

e. State any **one** way of caring for the AIDs victim.

.....

49.a. What is **oral hygiene**?

.....

.....

b. Write down any **two** ways of observing oral hygiene.

- a)

b)

c. Give **one** item used to observe oral hygiene?

.....

50. a. State the difference **between** straight and compound fertilizers.

.....
.....

b. State any **one** example of;

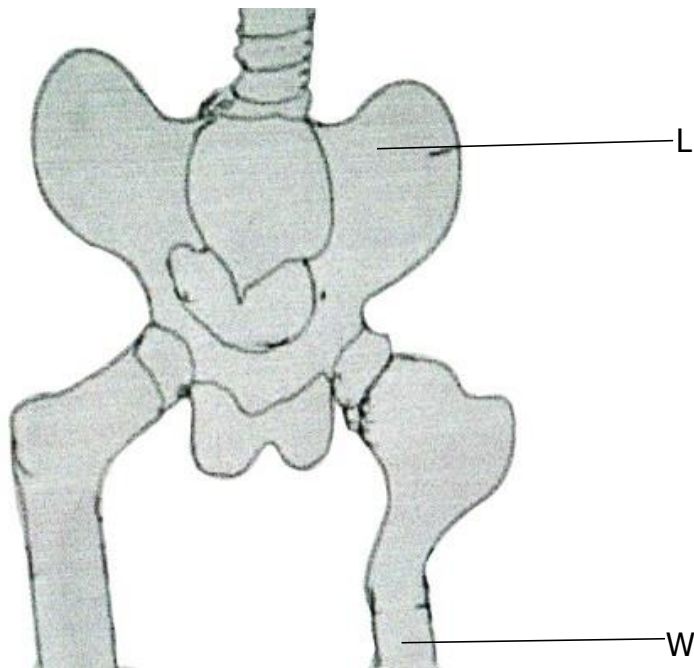
i. Straight fertilizers

ii. Compound fertilizers.....

c. Give **one** disadvantages of using artificial fertilizers in the garden.

.....
.....

51. The diagram below shows part of the human skeleton. Use it to answer the questions that follows.



a. Name the **bone** marked with letters

i. L

ii. W

b. In which **one** way is bone **L** useful to the human skeleton in the body?

.....
.....

c. State any **one** importance of bones in the body.

.....

52. a) In which **way** is salting to sun drying as methods of preserving food?

.....
.....

b. Why is food **preservation** important at home?

.....
.....

c. State the importance of a **granary** during food preservation?

.....
.....

d. Why are rat guards put on a **granary** at home?

.....
.....

53. a. Give **two** examples of tuber crops?

I.

II.

b. State any **one** methods of harvesting tuber crops?

.....

c. Identify **one** pest for tuber crops?

.....
.....

54. a. Which **waste product** is removed from the body by the liver?

.....

b. Apart from **excretion**, state any two functions of the **liver**?

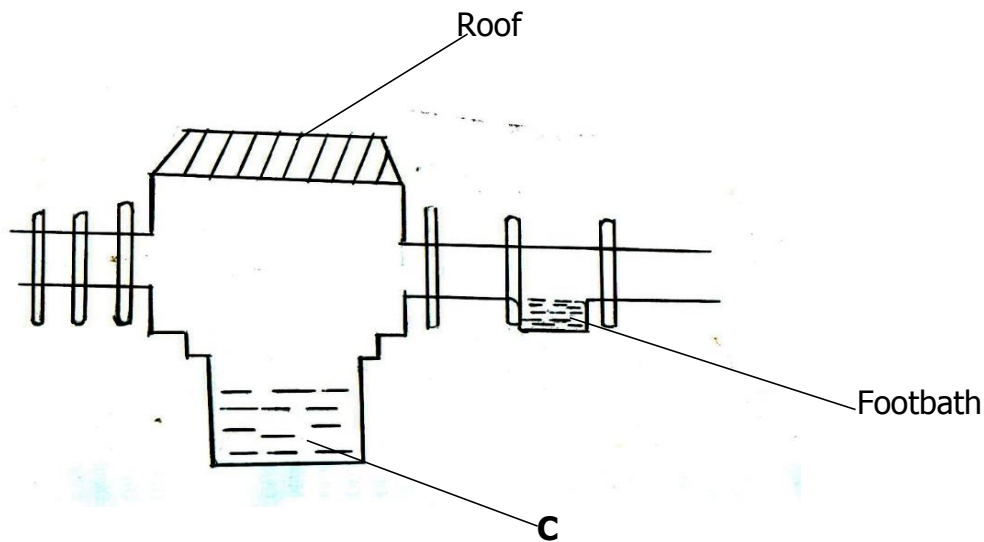
- i.
- ii.

c. Give **one** human activity which damages the liver.

.....

.....

55. The diagram below shows one of the practice done on a farm. Use it to answer questions that follow;



a. Name the **structure** shown above.

.....

.....

b. What name is given to chemicals marked **C**?

.....

.....

c. Why is the chemical marked c used in the above structure?

.....

.....

d. State any **one** cattle disease controlled by using the above structure.

.....

.....

