

ST. KIZITO - COLOMA JOINT PRE - P.L.E EXAMINATIONS 2024

INTERGRATED SCIENCE

Time allowed: 2 hour 15 minutes

Index No.

EMIS No.					Personal No.		

Candidate's Name:.....

Candidate's Signature:.....

School Name:.....

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following Instructions Carefully:

1. This paper has two sections: A and B
2. Section A has 40 questions **(40 marks)**
3. Section B has 15 questions **(60 marks)**
4. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
5. All working must be done using a blue or blackball point pen or ink. Any work done in pencil will NOT be marked.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated "For Examiners' use only" and 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		

Turn Over

SECTION A (40marks)

1. Name any one feature of a VIP latrine.

2. State the reason why farmers spray their crops.

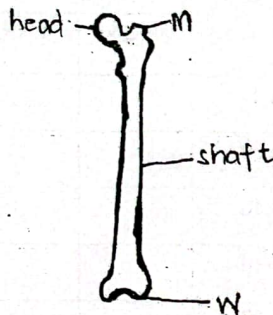
3. Which property of a magnet enables a compass needle to work?

4. Which class of arthropods has ten jointed legs with segmented bodies?

5. How are feathers important to birds.

6. Name the rabbit disease with the following signs; Rough fur, diarrhoea and dullness.

The diagram below shows one of the long bone found in the body. Use it to answer questions 7 and 8.



7. Name the movable joint found at part W.

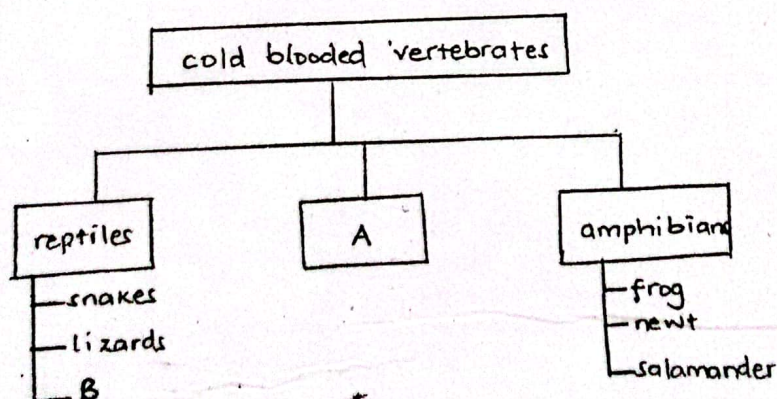
8. Mention the disorder that can affect the proper functioning of the above bone.

9. How can the fossil fuels be conserved for future use?

10. Mention any one drug that is commonly abused?

11. Name the part of the lens camera that has the same function as pupil of the human eye.
12. In which way does painting of metals prevent rusting?
13. Name the part of a flowering plant that develops into a side branch.
14. How are coniferous plants similar to the spore producing plants?
15. State the major organ of the circulatory system.
16. Why are images formed by a pinhole camera inverted?
17. Which element of primary health care is promoted through prolonged breast feeding?
18. Mention any one substance that can be used to reduce friction between moving parts.
19. How are mad cats dangerous to human health?

The table below shows certain groups of vertebrates. Study and use it to answer questions 20 and 21.



20. Name the class of cold blooded vertebrates represented by A.

21. Identify any other reptile which can be added at B.

22. State the role of sunlight during photosynthesis.

23. Why is the government of Uganda carrying out immunization free of charge?

24. Name any one mineral salt lost during diarrhoea.

25. Why are rabbit hutches always made with wire mesh (gauze)?

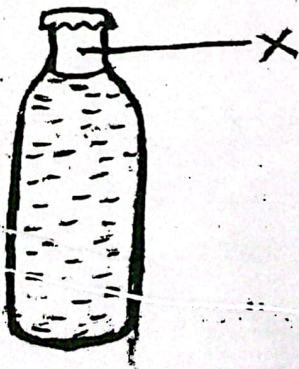
26. How is the propagation of cassava different from that of a sweet potato?

27. Define heat period as used in cattle management.

28. Why is sorting done in cleaning clothes?

29. Mention any one immunizable disease that affects the skin.

30. State the reason why space X was left in the diagram below.



31. State the benefits of steaming up (flushing) ewes.

32. Write down any one part of the human ear which is not involved in hearing.

33. Name any one vitamin related deficiency disease.

34. Mention any one physical process that takes place due to heat loss.

35. In which way does crop rotation control soil erosion?

36. Why does a ruler appear bent when dipped in a glass with water?

37. Write down one activity done by crop farmers during hardening off.

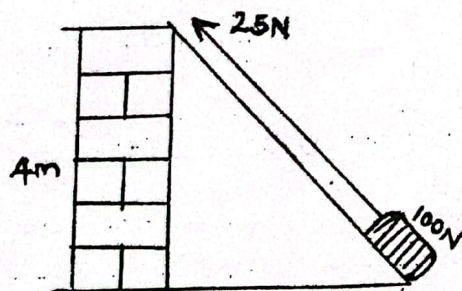
38. Give any one example of essential drugs.

39. State any one advantage of using deep litter system of keeping poultry.

40. Name the hardest part of the tooth.

SECTION B (60marks)

41. The diagram below shows a simple machine. Use it to answer questions that follow;



a) To which class of simple machines does the above machine belong?

b) Calculate the mechanical advantage of the above machine.

c) Write down any one example of a simple machine that belongs to the above class of machine. _____

42. State the disorder of the female reproductive system that occurs in the oviduct.

b). Write down any two PIASCY messages that help a P.7 candidate to avoid HIV/AIDS

c). State any one effect of HIV/AIDS to an individual.

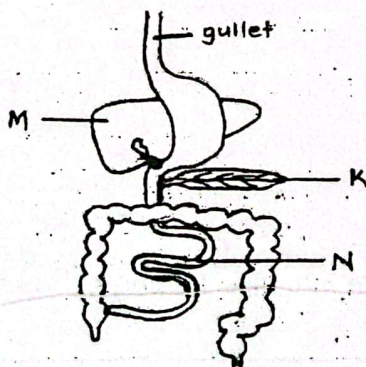
43a). Name the waste product removed from the body by the kidneys.

b). Mention two ways of caring for the kidneys.

c). Name any one disease which affects the kidneys.

44. The diagram below shows the digestive system.

Study it carefully and use it to answer questions that follow.



(a) Name the parts labelled M and K.

M _____ K _____

b) How is part labelled N adapted to its function?

c) Use letter P to show the part that stores bile juice.

45. Name the method of making alcohol that involves evaporation and condensation.

b) Mention two causes of alcoholism among people.

c) Which one life skill can safeguard a P.7 candidate from alcoholism?

46. a) How does photosynthesis benefit animals?

b) State the two raw materials needed for photosynthesis.

c) Name the useful product of photosynthesis.

47,a) Which weather instrument is used for the following?

I. Measuring air pressure

II. Measuring the density of liquids.

b). Mention any one weather instrument kept in a Stevenson screen.

c.) How is rain fall important to crop farmers?

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

b.) State the form of energy stored in a dry cell.

c.) Mention any two uses of electricity at home.

i) _____

ii) _____

49. Which two ways can be used to obtain safe water for drinking?

i) _____

ii) _____

b) State two ways in which safe water can be contaminated.

i) _____

ii) _____

50. Use the list of organisms below to answer the questions that follow

Rat, cassava, cat, bacteria

a) Form the correct food chain using the above list of organisms.

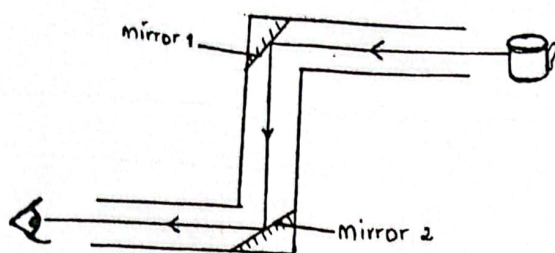
b) Which organism from the above list acts as a;

i) Secondary consumer?

ii) Primary consumer?

c) Name the source of energy for the organisms in the above list.

51. The diagram below shows an optical instrument used by a certain group of people. Use It to answer questions that follow.



- a) Name the optical instrument drawn above.
- _____
- b) State the principle on which the above optical instrument works.
- _____
- c) Which one group of people use the above optical instrument?
- _____
- d) Apart from the above instrument, name one other optical instrument.
- _____

52. a) Name two favorable conditions of germination.

- i) _____
- ii) _____

- b) Which type of germination is common in plants with?

- i) Fibrous root system

- ii) Tap root system

53. The table below shows the parts of the human heart and their functions in wrong order. Ra arrange them to form correct order.

Part of the human heart	Function
Aorta	Prevents oxygenated blood from mixing with de-oxygenated blood
Vena cava	Carries oxygenated blood to all body parts
Pulmonary vein	Carries deoxygenated blood from the lungs to the heart
Septum	Carries deoxygenated blood from all body parts to the heart

