

KAYUNGA DISTRICT EXAMINATION BOARD

PRIMARY SEVEN MOCK EXAMINATION 2024

INTEGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

RANDOM No.						Personal No.		
Index number								

Candidate's Name: _____

Candidates' Signature: _____

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

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two section: **A** and **B**.
2. Section **A** has 40 short questions (40marks)
3. Section **B** has 15 questions (60 marks)
4. Attempt all questions in both sections.
All answers to all questions must be written in the space provided.
5. All answers must be written using **blue** or **blackball pen** or **ink**. Only diagrams and graph work must be done in pencil.
6. Unnecessary **crossing** of work will lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated: **"FOR EXAMINER'S USE ONLY"**

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	INITIALS
1 – 10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

Kayunga District Examination Board (2024 Mock Examination)

SECTION A: 40 MARKS

1. Write down any one way of caring for garden tools.

2. Apart from protection, give one other reason why a chameleon camouflages.

- 3 Name one vector that spreads typhus fever.

4. How are honey bees useful to crop farmers?

5. State the type of digestion carried out by bile salts.

6. How do animals benefit from the gas given out by plants during photosynthesis?

7. Mention the component of air that supports the lives of people in health units.

8. Give any one biological method of controlling crop pests in the gardens.

9. State any one method of heat transfer that require medium of transmission.

10. Mention any one way of maintaining the strength of a magnet.

11. Write any one primary sex characteristic that occurs in females.

12. What is meant by the term in calf helper in cattle keeping?

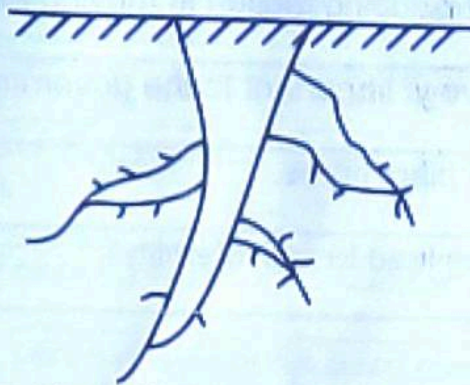
13. Besides giving the skin colour, give another function of melanin in the skin.

14. State the disease of rabbits described with falling and wounded ears.

15. Explain one way how reflection is useful to people in the environment.

16. What adapts the fuse to the function of breaking the circuit incase of high voltage?

The diagram below shows the system of a flowering plant. Study it and answer questions 17 and 18.



17. Identify the plant system shown above.
18. How does the above system support photosynthesis in plants.
19. Give the immunisable disease that is caused due to drinking unboiled milk from a sick animal.
20. State a reason why a panga is regarded as a wedge.
21. The sun is found high in the sky. State one way people can get the heat from it at home.
22. Give any one way the family can protect its children from malnutritional diseases.

The diagram below shows an equipment used in poultry feeding. Use it to answer questions that follow.



23. Identify the equipment shown in the diagram above.
24. State one reason why a commercial poultry farmer should have the above drawn equipment on his farm.
25. Apart from using displacement method, identify another method of finding the volume of an object.

26. State one practice that prevents inbreeding on a cattle farm.
27. Give any one way of reducing friction in moving parts of a machine.
28. How are healthy surveys important to the government?
29. State any one use of plant fibres.
30. How does soil erosion lead to soil infertility?



31. Why is it advisable to take blood tests before treatment is given to a patient?

The diagram below shows part of the skeletal system. Use it to answer questions that follow.



32. Name the part labelled with letter W on the above diagram.
W _____
33. Apart from the heart, mention one other respiratory system protected by the above structure.
34. How does a frog and a hen differ in terms of reproduction?
35. Why does sound travel slowest in gases?
36. Why is it dangerous to apply sugar on a fresh wound of your skin?
37. Apart from bathing regularly, state one other way how an adolescent girl can prevent bad smell from her body.
38. How do earth worms help in soil aeration?
39. Why is it advisable to put a curtain wall on the house of a latrine?
40. Identify the bee product that is a source of proteins to people.

SECTION B: 60 MARKS

41. a) State any one importance of a skeleton to the human body.

b) How is vitamin D useful to the human skeleton?

c) Apart from synovial fluids, mention another substance that reduces friction in the joints.

d) State one effect of poor posture to the skeletal system.

42. a) In the table below, part A shows terms used commonly in measurements and part B shows their meaning.

Part A terms	Part B meaning
Mass	Force of gravity on an object.
Volume	Mass per unit volume of the substance
Density	Quantity of matter an object contains.
Weight	Amount of space an object occupies.

Match correctly the terms with their meanings in the space provided below

- (i) Mass _____
(ii) Volume _____
(iii) Density _____
(iv) Weight _____

43. a) How do the following facilities help in promoting sanitation at home?

(i) Toilet

(ii) Dustbin

b) Give any two examples of diarrhoeal diseases spread due to poor sanitation.

- (i) _____
(ii) _____

44. a) Identify the type of germination monocots under go during the process.

b) How is oxygen useful during the process of germination?

c) State the part of a bean seed that stores and supplies food to the growing embryo.

d) Mention any one factor that can lead to seed dormancy.

45. a) Apart from floods, give two other examples of natural changes.

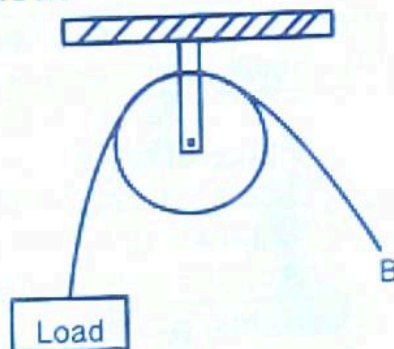
(i) _____

(ii) _____

b) Give one effect of floods in the environment.

c) Identify one way of managing floods in the environment.

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



a) Identify the type of simple machine shown above.

b) How does the above machine simplify work?

c) Using an arrow, show the direction of the effort at point B.

d) Work out the effort needed to raise a load of 40kgf using the above machine.

47. a) State two factors that determines the rate of transpiration.

(i) _____

(ii) _____

b) Give one way how plants reduce the rate of transpiration.

c) How is transpiration important to plants?

48. a) Mention any one example of primitive mammals.

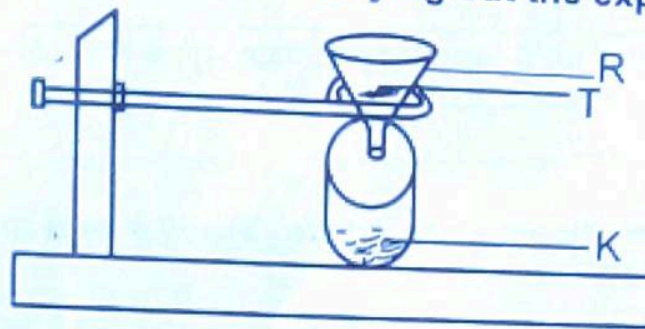
b) Apart from keeping sea mammals warm in water, state another function of a fatty layer to a dolphin.

c) Besides having hairy bodies and mammary glands, mention any two other characteristics of mammals.

(i) _____

(ii) _____

49. A P.6 class of Summit Junior School collected water from a well. They first boiled it before carrying out the experiment below.



a) Identify the method that was used to clean the water.

b) What scientific name is given to the substances labelled T and K.

T

K

c) Why would you encourage a P.4 child who is thirsty to drink water labelled at K?

50. a) State the reason why a pin hole camera is painted black.

b) Write down any two characteristics of images formed by mammalian eye.

(i)

(ii)

c) Identify the type of lense used in both photographic camera and mammalian eye.

51. a) How is a pulmonary artery similar to the Aorta in terms of their functions.

b) Why does the pulmonary vein carry back blood from the lungs to the heart?

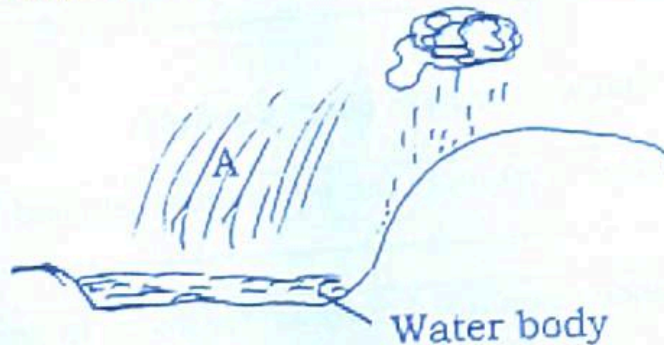
c) Besides malaria, state one other disease that affects the red blood cells.

d) How are valves useful in the mammalian heart?

52. a) Briefly explain what is meant by the term soil PH.

- b) Give any two advantages of using organic fertilizers over inorganic
- (i) _____
- (ii) _____
- c) Apart from mulching as a farming practice, give any other way of conserving moisture in the soil.
- _____

53. The diagram below shows a rain cycle. Study it and answer questions that follow.



- a) Identify one missing element in the water cycle above.
- _____
- b) Name the gaseous state of water marked A.
- _____
- c) How useful is the missing element in the cycle above?
- _____
- d) How can the above process affect the newly transplanted seedlings?
- _____
54. a) State any two forms of energy produced when a nail is being driven into a wood using a hammer.
- (i) _____
- (ii) _____
- b) Give any two importance of heat transfer by conduction in our daily life.
- (i) _____
- (ii) _____
55. a) Give any two structural differences between a VIP latrine and a conventional pit latrine.
- (i) _____
- (ii) _____
- b) State any two ways of keeping a latrine clean.
- (i) _____
- (ii) _____

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