

NTOROKO DISTRICT ACADEMIC BOARD

PRIMARY LEAVING MOCK - 2023

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No.					Personal No.		

Candidate's Name:.....

Candidate's 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. Section **A** has **40** questions (**40 marks**)

3. Section **B** has **15** question (**60 marks**)

Attempt **ALL** questions.

All answers to both sections **A** and **B** must be written in the spaces provided.

4. All answers **MUST** be written using blue or **black** ball – point pen or **ink**. Diagrams should be drawn in **pencil**.

5. Unnecessary **changes** of work may lead to **loss** of marks.

6. Any handwriting that cannot easily be read may lead to **loss** of marks.

7. Do not fill anything in the boxes indicated

"For examiner's use only".

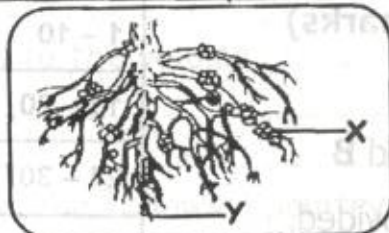
FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

Prepared by Ntoroko District Academic Board
Science Primary Leaving Mock - 2023

SECTION A (40 Marks)

1. Which body organ is used for feeling?
.....
2. Give the difference between a **fruit** and a **seed**.
.....
.....
3. State any **one** danger of dumping plastic materials in the soil.
.....
4. Give **one** sign which is common between people suffering from Tuberculosis and HIV/AIDS.
.....
5. In which way is painting of house windows and doors important?
.....
6. Mention the property of matter that helps a P.7 pupil to suck soda with a straw.
.....

The diagram below shows a root system.



7. How is part marked x important to a crop farmer?
.....
8. State the importance of grits in the digestive system of a bird.
.....
9. Which body organ filters the blood?
.....
10. Name the sterile bee in a bee hive.
.....
11. Why should wood being burnt into charcoal be covered with soil?
.....
12. Of what importance is spacing of children important to the family?
.....
13. Why is a hoe regarded as a simple machine?
.....

14. Identify **one** way through which crop rotation controls pests in a garden.

15. What causes Covid-19?

16. Why do we see lightning before hearing thunder?

17. How are swimming birds adapted to swimming in water?

Use the diagram below to answer questions 18 and 19.



18. How is the seed in the diagram above dispersed?

19. Give the reason to support your answer in number 18.

20. Suggest any **one** problem of early pregnancy to a school girl.

21. Apart from polio, give **one** disease immunized at birth.

22. State any **one** psychological characteristic of adolescents.

23. Which body organ helps a P.7 candidate to identify the best perfume to use?

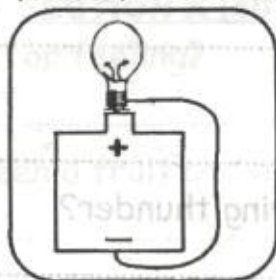
24. Name the cattle disease that is detected using a strip cup.

25. Why do some objects weigh less in water than in air?

26. Which property of magnets is used by pilots?

27. Name the force of attraction between molecules of the same kind.

28. Use arrows to show the flow of electrons.



29. Why is it not advisable to break blisters on an injured part?

30. Name the poisonous gas in tobacco.

31. Identify the gland that is used to produce saliva.

32. What is the role of synovial fluid at a joint?

33. Why does a blue shirt appear blue?

34. Give **one** example of endo parasites in animals.

35. State **one** reason why distilled water is not good for drinking.

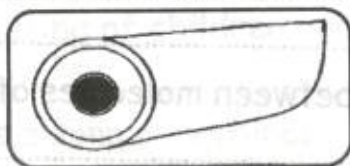
36. How does fish control the spread of malaria in areas around water bodies?

37. A body weighing **4kg** is lifted from the ground and placed on the head of a man who is 2 meters tall. Calculate the **work** done.

38. In which part of the male reproductive system are sperms stored?

39. Mention **one** example of an insulator.

Use the diagram below to answer the question 40.



40. Identify the blood vessel shown above.

SECTION B (60 Marks)

41. (a) What is air?

(b) Which component of air occupies the biggest percentage of air in the atmosphere?

(c) Name **one** example of a rare gas.

(d) Identify the component of air used to preserve packed drinks.

42. (a) Name the group of vertebrates where human beings belong.

(b) Give another name for rodents.

(c) State any **two** examples of rodents.

(i)

(ii)

43. (a) Why does blood move from the heart to the lungs before it moves around the body?

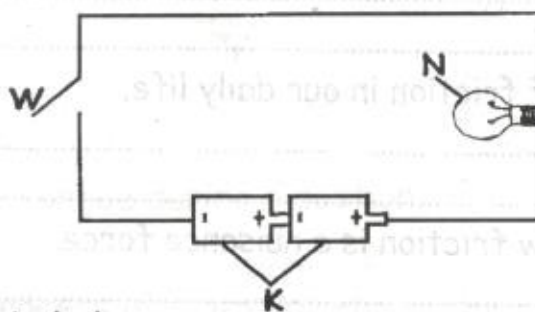
(b) Give any **one** function of each of the following.

(i) White blood cells

(ii) Red blood cells

(iii) Platelets

44. The diagram below shows an electric circuit. Use it to answer the questions that follow.



(a) Name the parts labeled;

(i) N

(ii) W

(b) Apart from light, give any other form of energy produced by the part labeled N when W is closed.

(c) Calculate the **voltage** used in the circuit above.

45. Match the diseases in list A with the signs and symptoms in list B.

List A

Polio

Measles

Tetanus

Diphtheria

List B

swollen neck

stiffness of muscles

paralysed tissue

skin rash

(i) Polio

(ii) Measles

(iii) Tetanus

(iv) Diphtheria

46. (a) What is artificial insemination?

(b) Give **two** advantages of artificial insemination.

(i)

(ii)

(c) State the importance of colostrums to a calf.

47. (a) Define the term friction.

(b) Suggest **two** uses of friction in our daily life.

(i)

(ii)

(c) Suggest **one** way how friction is a nuisance force.

48. (a) What is meant by the term transpiration?

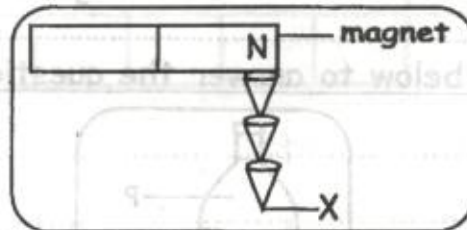
(b) State down **two** factors that affect the rate of transpiration.

(i)

(ii)

(c) Outline **one** end product for photosynthesis.

49. The diagram below shows a method of making a magnet. Use it to answer questions that follow.



(a) Name the method of making magnets shown above.

(b) Identify the pole marked X.

(c) Apart from the above method, give **two** methods of making a magnet.

(i)

(ii)

50. Paul puts one table spoonful of sugar into glass of water and stirred it. The sugar disappeared.

(a) What did the following act as in the experiment?

(i) **Sugar**

(ii) **Water**

(b) What name would you give to the content in the glass?

(c) Besides water and sugar, give another component of ORS.

51. (a) What is an **enzyme**?

(b) State the use of a tongue during digestion.

(c) Where does the process of digestion end in man?

(d) Name the process through which food moves along the alimentary canal.

52. (a) Write in full **PIASCY**.

(b) Outline **two** examples of **PIASCY** messages.

(i)

(ii)

(c) Of what importance are **PIASCY** messages to a learner?

53. Study the diagram below to answer the questions that follow.



(a) Why was the space P left in the bottle?

(b) Why does the bottle break when it is kept in a refrigerator for a long time?

(c) What happens to the volume of water under the following process?

(i) **Freezing**

(ii) **Melting**

54. (a) Give the use of the following poultry.

(i) **Layers**

(ii) **Table birds**

(b) Name any **one** poultry vice.

(c) How is a beak important to a bird?

55. (a) Name the body system where the kidney belongs.

(b) Name **one** organ that belongs to both excretory and respiratory system.

(c) In which part of the kidney is urine formed

(d) Write down **one** disease that attacks the kidneys.

THE END