



THE REPUBLIC OF UGANDA

MUBENDE MUNICIPAL EXAMINATIONS BOARD

PRIMARY LEAVING EXAMINATION MOCK, 2022

PRIMARY SEVEN **INTEGRATED SCIENCE**

Time Allowed: 2 hours 15 minutes

Random Number						Personal Number		

Candidate's Name:

Candidate's Signature.....

School's Name

District:

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

Read the following instructions carefully:

1. This paper is made up of **two** Sections: **A** and **B**.
2. Section **A**, has **40** short-answer questions (**40 marks**).
3. Section **B** has **15** questions (**60 marks**).
4. Answer **ALL** questions. All answers to both Sections **A** and **B** **MUST** be written in the spaces provided.
5. All answers **MUST** be written using a blue or black ball-point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may 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 box indicated "For examiners' use only" and those inside the question paper.

FOR EXAMINER'S USE ONLY		
Qn. No.	Marks	Exrs' No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A: (40 Marks)

Questions 1 to 40 carry one mark each.

1. Which type of chicken is kept for meat production?

2. Mention any **one** method of soil formation.

3. Fill in the box below with the correct word.

Solute

 +

Solvent

 →

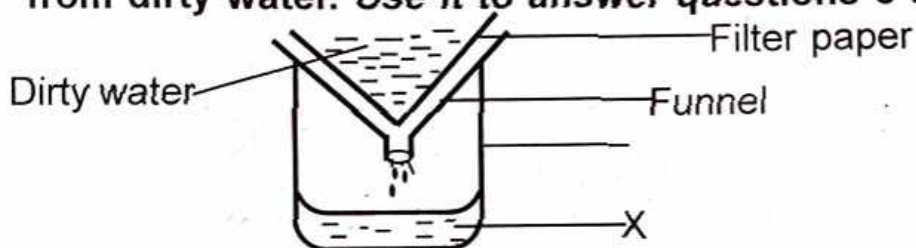
4. Which force enables a stone thrown up to fall back to the ground?

5. Write down any **one** non-communicable disease.

6. How are bacteria useful in the soil?

7. Give **one** way of reducing friction in the moving parts of a machine.

The diagram below shows one method of obtaining clean water from dirty water. Use it to answer questions 8 and 9.



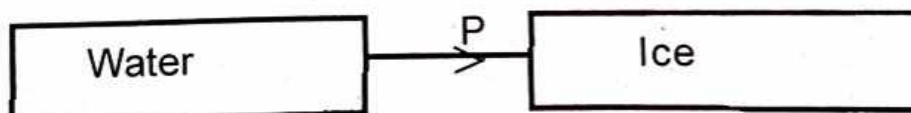
8. Name the method shown above.

9. What scientific name is given to clean water x?

10. In which way is a skull bone useful to a human body?

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11. Which product of goats is used for making leather?

12. The diagram below shows a change in state of water.

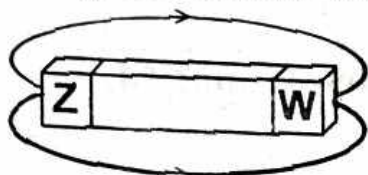


Name the physical process marked P.

13. State any **one** advantage of modern bee-hive.

14. Mention any **one** way of conserving plants.

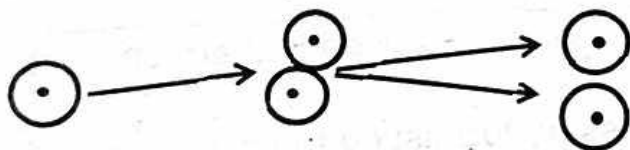
15. Name the type of skeleton found in birds.
16. Which property of air enables a person to drink soda from a bottle using a straw?
17. The diagram below shows one property of magnets.



Name the pole marked W.

18. Why is the filament of an electric bulb usually coiled?
19. Mention **one** mineral deficiency disease which affects bones.
20. Identify any **one** activity carried out on a Health parade. ☐
21. What food value is obtained from eating root crops?
22. Which type of sheep is kept for wool production?
23. Name the non-metallic conductor found in a dry cell.
24. How can plant and animal wastes be used as energy resource?
25. Name deficiency that affects the skeletal system.

The diagram below shows one type of reproduction.
Use it to answer questions that follow.



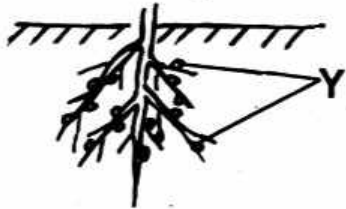
26. Name the type of reproduction above.
27. Give **one** example of organisms that reproduce by the means above.
28. Which type of soil is suitable for growing crops?
29. Name any **one** viral immunisable disease of infants.
30. How are pollen baskets useful to worker bees? ☐

31. Name the type of leaf venation below.



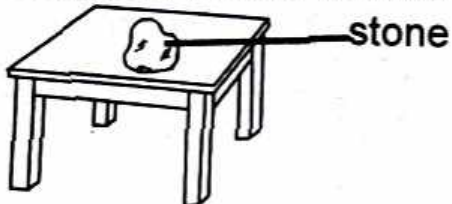
32. State the use of proboscis to a mosquito.

Use the diagram below to answer questions 33 and 34.



33. Name the structures marked Y.
34. How are organisms found in structure Y useful to soil?
35. How do tape worms enter our bodies?
36. Give **one** way of preventing food contamination through 4Fs.
37. State any **one** importance of good posture.

The diagram below shows a stone placed on the table.



38. What type of energy is possessed by the stone?
39. State **one** reason why mercury is commonly used in thermometers.
40. Mention any **one** condition necessary for rusting to occur.

SECTION B (60 Marks)

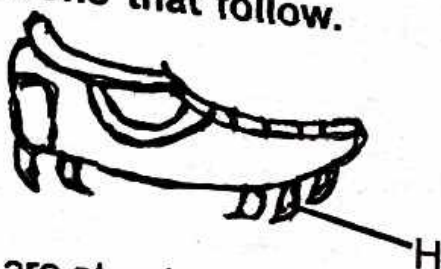
Questions 41 - 55, carry four marks each.

41. (a) Name the component of the soil formed by decomposition of matter.
- (b) State any **one** importance of air in the soil.

- (c) Mention any **two** ways of improving soil fertility.
- (i) _____
- (ii) _____

42.

The diagram below shows a sports shoe. Use it to answer questions that follow.



- (a) How are structures marked H useful to a player? _____
- (b) Name any **two** types of friction. _____
- (i) _____
- (ii) _____
- (c) In which way is frictional force useful to a P.7 candidate? _____

43.

- (a) To which form of electricity is lightning? _____
- (b) State any **one** danger of lightning. _____
- (c) Give **one** way of protecting tall buildings from lightning. _____
- (d) How is lightning useful to the environment? _____

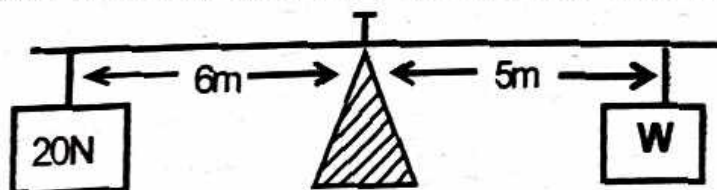


44.

- (a) Name any **two** external parasites of cattle. _____
- (i) _____
- (ii) _____
- (b) Give any **two** ways of controlling external parasites. _____
- (i) _____
- (ii) _____

45.

In the diagram below a lever is balanced.
Use it to answer the questions that follow.



- (a) Name the point marked T. _____
- (b) To which class of levers does the above machine belong? _____

(c) Give a reason to support your answer.

(d) Apart from the above machine, give **one** other machine in the same class.

46. (a) Mention any **two** products of milk.

(i)

(ii)

(b) Give any **two** methods of preserving milk.

(i)

(ii)

47. The table below shows groups of invertebrates.

Group				
A	Tick	scorpion	spider	mite
B	Bee	Locust	Cricket	Housefly

(a) Identify the groups of invertebrates marked A and B.

(i)

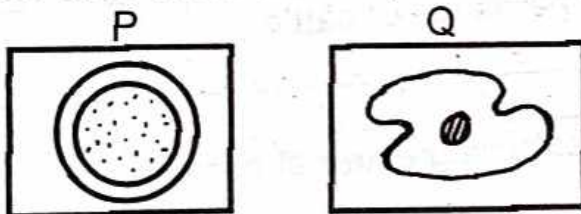
(ii)

(b) State any **two** characteristics of group marked B.

(i)

(ii)

48. The diagram below shows two types of blood cells. Use it to answer the questions that follow.



(a) Name the types of blood cells marked P and Q.

(i)

(ii)

(b) State the function of each type of blood cell.

(i)

(ii)

49. (a) Name the **two** raw-materials needed for respiration.

(i)

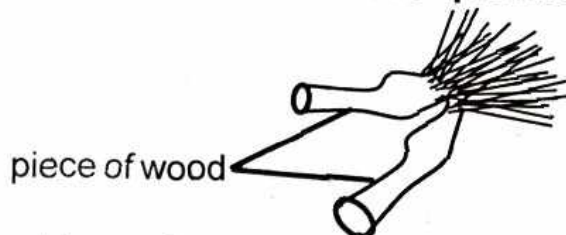
(ii)

(b) Mention any **one** by-product of respiration.

(c) In which part of the lungs does gaseous exchange take place?

50. (a) Explain the following terms as used in sound energy.
- (i) Echo _____
- (ii) Pitch _____
- (b) Mention any two factors that affect the pitch of string instruments.
- (i) _____
- (ii) _____

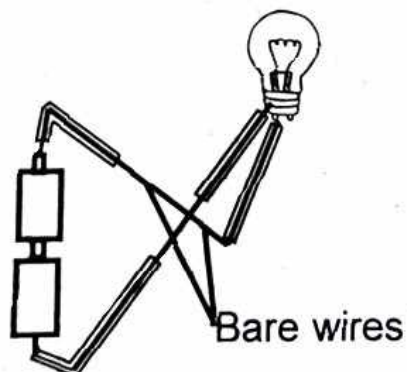
51. The diagram below shows a piece of burning wood. Use it to answer the questions that follow.



- (a) Name the type of change taking place above.
- (b) Mention any **two** products of burning a piece of wood.
- (i) _____
- (ii) _____
- (c) State any **one** disadvantage of using wood fuels.

52. (a) Name the germs that cause AIDS.
- (b) Give any **two** ways of spread of HIV.
- (i) _____
- (ii) _____
- (c) What is the best way of preventing HIV infection among school children?

53. The diagram below shows a common fault on electricity.



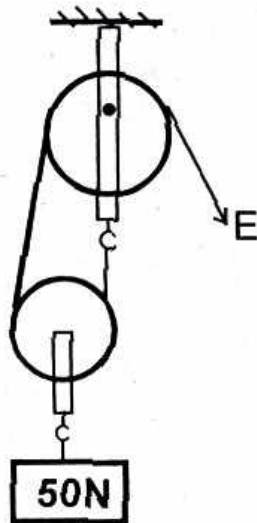
- (a) Identify the fault shown above.
- (b) State any **one** effect of the above fault.

(c) What will happen to the bulb?

(d) State any **one** way of preventing the above fault.

54.

The diagram below shows a pulley system.



(a) Name the type of pulley shown above.

(b) Mention any **one** force to overcome when using pulleys.

(c) In which way are pulleys applied at school?

(d) Besides pulleys, identify any other **one** type of simple machines.

55.

Match the diseases in list A with their causes in list B.

List A

Marasmus

Pellagra

Anaemia

Beriberi

List B.

Vitamin B₁

Iron.

Carbohydrates

Vitamin B₂

(i) Marasmus _____

(ii) Pellagra _____

(iii) Anaemia _____

(iv) Beriberi _____

****END****