

MUKONO DISTRICT EXAMINATIONS BOARD

PRIMARY SEVEN MOCK EXAMINATION 2024

INTEGRATED SCIENCE

Time Allowed: 2 hrs 15 minutes

EMIS No.					Personal No.		

Index No. :

Candidate's Name: :

Candidate's Signature :

EMIS No: . :

School Name :

District Name :

Read the following instructions carefully.

1. This paper has **two** sections: **A** and **B**. Section **A** has 40 questions (**40 Marks**) and Section **B** has 15 questions. (**60 Marks**)
2. Answer **ALL** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
3. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
4. Diagrams should be drawn in pencils.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated "FOR EXAMINERS' USE ONLY"

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

Turn Over

SECTION A: (40 MARKS)

(Question 1 to 40 carry **one** mark each)

1. State **one** habit that causes danger to the human body.

2. Identify any **one** way of controlling parasites like fleas and mites in poultry.

3. Babirye entered an empty hall. She shouted loudly and heard other similar shouts after her own. How are such sounds produced?

4. Give **one** reason why recycling of waste materials is a good practice towards the environment?

5. What do we call the taking of drugs in quantities greater than the prescribed by a health worker?

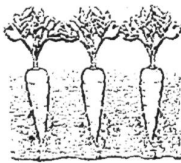
6. Give **one** cause of sickness in the community.

7. Why should people treat water before use?

8. How do fish help to control malaria in an area?

9. Why is it a good practice to apply chicken droppings in the garden?

10. Write the type of root system shown below.



11. State **one** way a family can avoid the spread of measles.

12. Give **one** way in which the human heart is suited to its function.

13. Hope used water to put out petrol fire but it continued burning. State a reason for this.

14. Mention **one** natural cause of a family failing to have enough food.

15. State **one** reason why we are encouraged to use electric energy other than wood energy?

Study the diagram below of a tree and answer question 16.



16. Name the time of the day.

17. A P.7 pupil lost a pin in tall grass. Explain how he can recover the pin without cutting the grass.

18. Which human organ is protected by the rib cage?

19. How is hydrochloric acid found in your stomach useful in the digestion process?

20. In which way is rusting similar to burning?

The diagram below shows a component of blood.

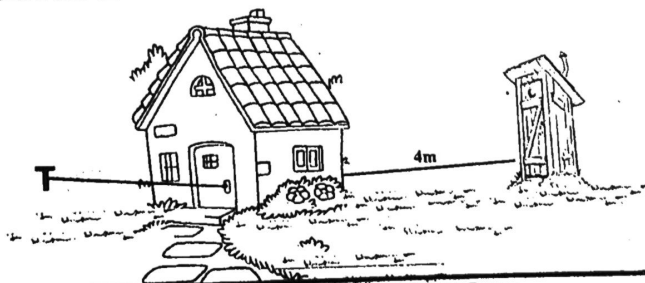


21. How is the above component useful in our bodies?

22. Convert 50 °C to °F.

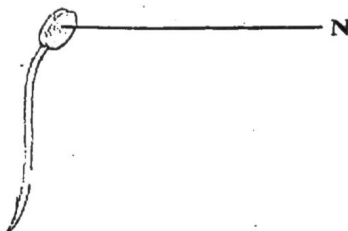
23. Give **one** advantage of cooking food first before eating.

The diagram below shows a living house and a latrine. Use it to answer questions 24 and 25.



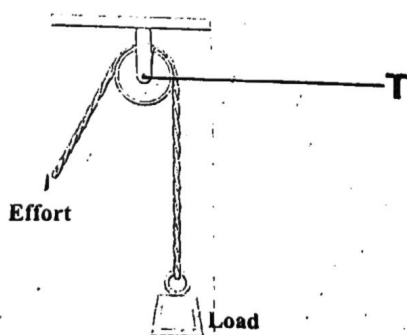
24. To which group of simple machines does the knob at **T** belong?
25. State **one** problem that results from having a latrine at the above distance.
26. Give **one** importance of having young farmers' clubs in a school.
27. Mention any **one** item used to promote personal hygiene.
28. In what way is wind useful to crop farmers?

The diagram below shows part of a plant and use it to answer questions 29 and 30.



29. What collective name is given to the above part of a flower?
30. State the function of part marked **N** to a flower.
31. Give **one** example of a primary consumer in a food chain.
32. State any **one** way animals are used as energy resources in the environment.
33. Name any **one** local method of preserving food.

The diagram below shows a simple machine. Use it to answer questions 34 and 35.



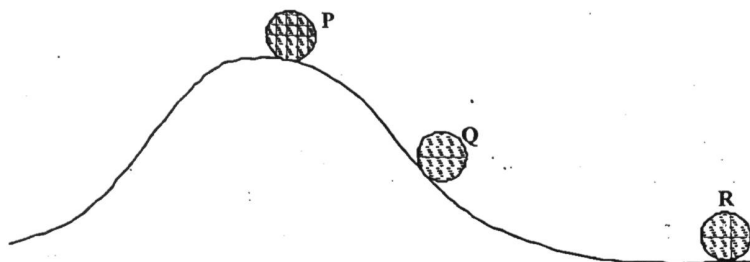
34. Name the pulley system shown above.
35. How can friction be reduced at point T?
36. Why do houseflies lay their eggs in decaying matter?

37. Which human body organ requires light energy to function?

38. How does boiling of water make it safe for drinking?

39. State **one** way of keeping the digestive system in a proper working condition.

Study the diagram below and answer question 40.



40. Which type of energy is possessed by a stone at point marked Q?

SECTION B: (60 MARKS)

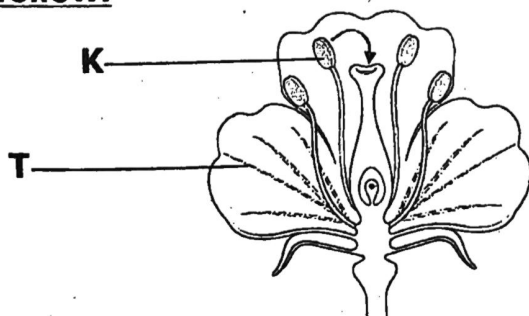
Question 41 to 55 carry four marks each)

41. Match the following farm tools with their uses.

Farm tool	Use
(a) Drenching gun	carrying out artificial insemination.
(b) Burdizzo	used for docking of sheep.
(c) Inseminating gun	administering liquid drugs through the mouth.
(d) Sharp knife	carrying out closed operation during castration.

- (a) Drenching gun _____
- (b) Burdizzo _____
- (c) Inseminating gun _____
- (d) Sharp knife _____

Below is a diagram of a flower. Use it to answer the questions that follow.



- (a) Which type of pollination is likely to take place in the above flower?
- _____
- (b) Give a reason to support your answer in part (a).
- _____

(c) State the function of the following parts labelled K and T during pollination.

(i) K _____

(ii) T _____

43. (a) Write P.H.C in full.

(b) State any **two** roles of the mother in P.H.C.

(i) _____

(ii) _____

(c) Give **one** example of vulnerable group of people.

44.(a) What is poultry?

(b) Give any **one** example of poultry.

(c) Write down **two** vices common on poultry farms.

(i) _____

(ii) _____

45. The diagram below shows a climbing plant. Use it to answer questions that follow



(a) Identify the method of climbing plants shown in the diagram.

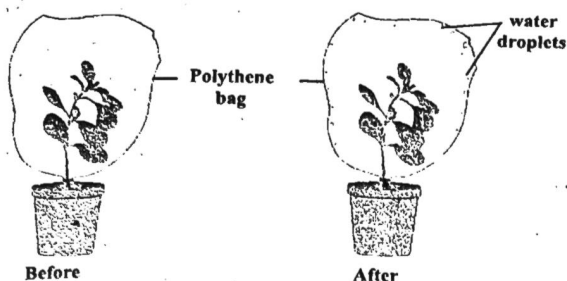
(b) Mention any **two** examples of plants with such a stem.

(i) _____

(ii) _____

(c) State **one** function of stems to plants.

46. The diagram below is of an experiment to show that plants loose water (transpire). Study and use it to answer questions that follow.



(a) Give any one reason why water droplets are formed inside the polythene paper after the experiment.

(b) State any one condition or factor that affects the above process.

(c) How is the above process important to plants?

(d) Mention any **one** use of leaves to animals.

47. (a) State the method used to find the volume of an object without specific shape.

(b) Calculate the mass of an object whose density is 4g/cc and volume is 10cc.
(3marks)

48. (a) How does sound travel?

(b) In which one way are echoes important to:

(i) bats

(ii) sailors

(c) Give **one** way of preventing echoes in cinema halls.

49. (a) Name any **one** common accident at school.

(b) State any **two** reasons why first aid is administered to casualties.

(i)

(ii)

(c) Mention any **one** safety rule observed by road users.

50. (a) Which virus causes AIDS?

(b) State any **two** traditional practices that may lead to transmission of AIDS.

(i)

(ii)

(c) What is the best way an adolescent girl can protect herself against contraction of AIDS?

51. (a) Identify any **one** part of the body where each of the following joints are found.

(i) Ball and socket joint _____

(ii) Hinge joint _____

(b) State any **two** protective functions of the skeleton to animals.

(i) _____

(ii) _____

52.(a) Name any **one** crop grown in wetlands. .

(b) Suggest any **one** way in which wetlands have been degraded.

(c) Mention any **two** importance of wetlands to people.

(i) _____

(ii) _____

53.(a) State the importance of the following on a house.

(i) Ventilators: _____

(ii) Windows: _____

(b) Why are electric wires hanged loosely between poles?

(c) How is the heat transfer by convection important in the environment?

54.(a) State any **one** way the habit of alcoholism is dangerous to;

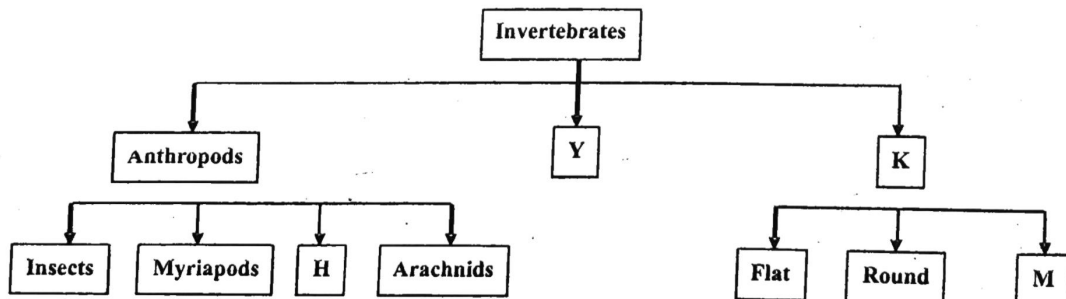
(i) Expectant mothers: _____

(ii) Alcoholic addict: _____

(b) Give any **one** Ugandan Government law that guards against the brewing, selling and use of alcohol.

(c) How can **one** avoid the habit of alcoholism?

55. The diagram below shows a simple classification chart. Complete it correctly and answer questions that follow.



(i) K _____ (ii) H _____

(iii) M _____

(b) Name one group of invertebrates that can be put at Y.