

ATLAS JUNIOR SCHOOL – LUGOBA NABWERU
END OF TERM ONE EXAMINATIONS 2024
INTEGRATED SCIENCE
PRIMARY SEVEN

Time allowed: 2 hours 15 Minutes

Name: Stream:

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 (60marks)
4. Answer **all** questions. All answers to both sections **A** and **B** must be written in spaces provided.
5. All answers must be clearly written using **blue** or **black** ball point pen or ink.
6. Unnecessary changes of work may lead to loss of marks.
7. Any handwriting that cannot be easily read, may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated. For official use only.

FOR EXAMINER'S USE ONLY

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Qn. No.	MARKS	EXR'S NO.
1-10		
11-20		
21 - 30		
31 - 40		
41 - 45		
46 - 50		
51 - 55		
TOTAL		

SECTION A (40 MARKS)

1. Name the part of the human kidney where filtration of blood takes places.

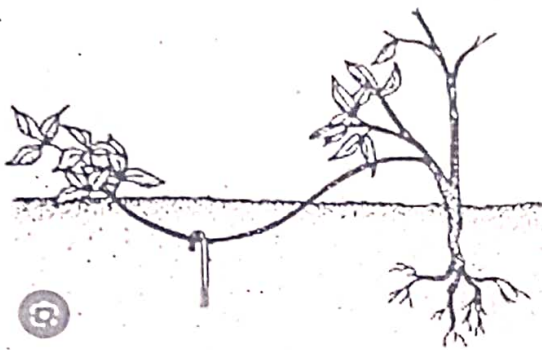
2. How are tentacles important to a garden snail?

3. How are arteries able to withstand greater blood pressure from the heart?

4. State one way in which trees help to control air pollution in the environment.

5. State one danger of frequent birth to a mother:-

The diagram shows a method of plant propagation. Use it to answer question 6 and 7.



6. Name the method of artificial vegetative plant propagation shown above.

7. State one condition that may stop a torch from working even when the circuit is complete.

8. State one way of controlling bad smell in ordinary pit latrines.

9. Which method of harvesting trees involves cutting of the side branches leaving the top part to grow?

10. Which type of friction occurs in both liquids and gases?

11. Apart from paddock grazing, mention one other method that helps to control cattle parasites and diseases.

Below shows a symbol of an electric circuit. Use it to answer question 12 and 13.



12. Name the component of an electric circuit shown above.

13. State the function of the component of electric circuit shown above.

14. State one advantage of dehorning cattle on a farm.

15. How are fresh water snails dangerous to people in the environment?

16. State one factor that affects the speed of sound.

17. What energy change takes place when an electric bulb is in use?

18. Of what importance is the strip cup to a dairy farmer?

19. In which way is transpiration similar to sweating?

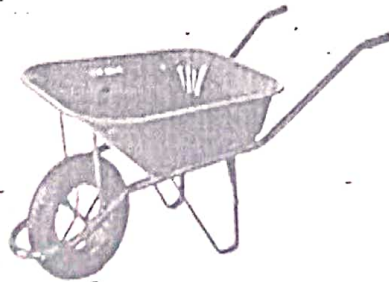
20. What is the importance of the clay lining found in the clay made charcoal stoves?

21. Name the gland that produces semen which assists the sperms in movement.

22. Why do wind pollinated flowers produce a lot of pollen grains?

23. State any one characteristic of voluntary muscles.

Below is a simple machine. Use it to answer questions that follow.



24. Which class of levers does the above machine belong?

25. Use letter K to show the position of the effort on the above machine.

26. State one disadvantage of birds in the environment.

27. Name one exotic breed of poultry kept for egg production.

28. State the role of synovial fluid found between bones at a joint.

29. What advice would you give to a person who is suffering from night blindness?

30. State any one importance of chemical changes in the environment.

31. Which human body organ is responsible for controlling heart beats?

32. Where in the human female reproductive system does conception take place?

33. How does slashing of tall grass in the school compound help to control malaria?

34. State any one problem faced by people living in overcrowded places.

35. How does prolonged breastfeeding help to promote family planning?

36. Why are lungs regarded as excretory organs?

37. Why do air sacs have thin walls?

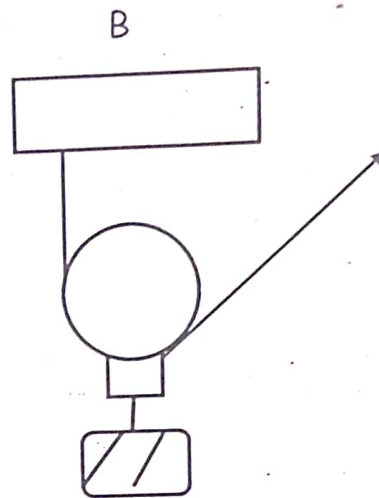
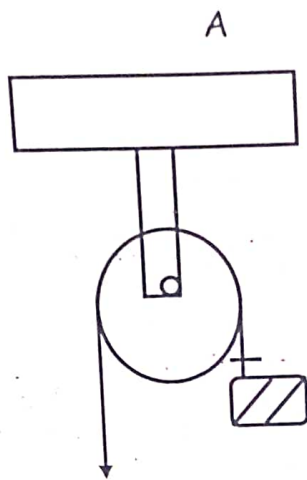
38. How is feeding of a tapeworm different from that of a hookworm?

39. Name one example of a protozoan tick borne disease.

Find the Mechanical Advantage of machine which carries a load of 125N using the effort of 25N.

SECTION B (60 MARKS)

41. Below are the diagram showing types of pulleys. Use it to answer question 41.



a) Name the type of pulley marked with letter;

i) A _____

ii) B _____

b) State one difference between the type of pulley in B and A.

i) _____

ii) _____

c) Suggest any one application of pulleys in our daily life.

42. What do we call the transfer of pollen grains from the anther to the stigma of a flower?

b) State any two characteristics of wind pollinated flowers.

i) _____

ii) _____

d) How does a maize plant prevent itself from being self pollinated?

43. a) Name the disease of the circulatory system that deforms red blood cells making them unable to carry oxygen around the body.

b) A part from the above disease you mentioned, write any other two diseases of the circulatory system.

i) _____ ii) _____

c) State any one way of caring for the circulatory system.

44. a) What is meant by the term "An alloy"

b) Identify any two examples of alloys.

i) _____ ii) _____

c) State any one way of conserving non renewable resources.

45. Complete the table below by filling in suitable answers.

Excretory organ	Waste
Liver	i) _____
ii) _____	Sweat
Kidneys	iii) _____
iv) _____	Water and carbon dioxide

46. a) Mention any one example of the following classes of machines.

i) wheels and axles _____

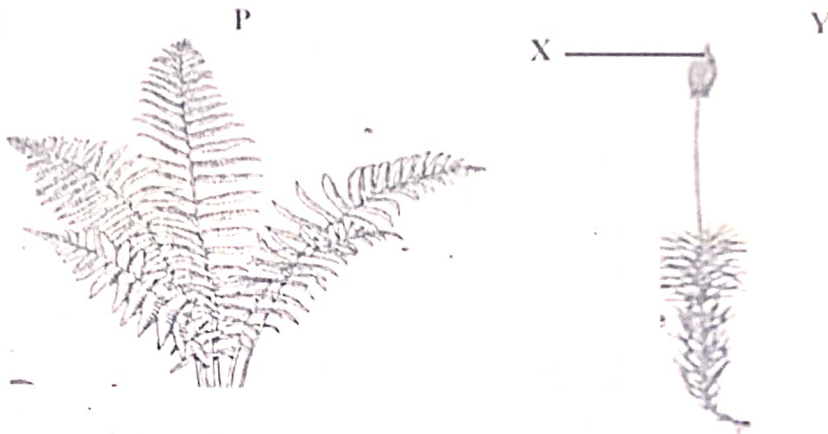
ii) inclined plane _____

b) State any two applications of inclined planes in our daily life.

i) _____

ii) _____

47. Below are diagrams of some non-flowering plants. Use them to answer questions that follow.



- a) Name the example of non-flowering plants marked with letter;
 i) P _____ ii) Y _____
 b) State the function of structure marked X on the non-flowering plant marked with letter Y.

 c) How does the above non-flowering plant in diagrams above reproduce?

48. a) What is heat period in cattle?

b) State any two signs of heat period in cattle.

i) _____

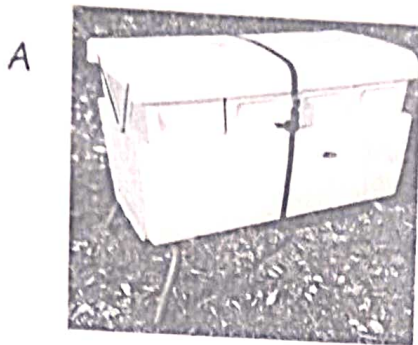
ii) _____

d) State any one disadvantage of natural insemination in cattle.

49. a) Below is a table showing symbols used in electricity and their functions fill in the missing information.

Name	Symbol	Function
Switch		Break or completes the circuit at ones wish.
_____		To produce electricity
Ammeter		_____
Bulb		To produce light and head energy.

50. Below are the diagram of different kinds of beehives. Use the diagram answer questions that follow.



a) Name the bee hive marked with letter;

A _____ B _____

b) State any one advantage of using modern beehives.

c) Identify any one method used to extract honey from honey combs.

51. Name the vaccine given to babies on the left upper arm.

b) State the importance of a child health card to

i) a teacher _____

ii) a parent _____

d) Why should immunization of children in Uganda free of charge?

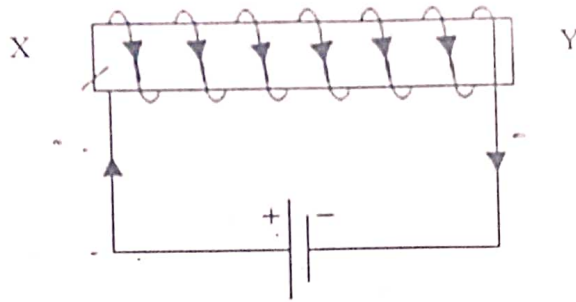
52. a) Mention any two examples of long bones in the human body.

i) _____ ii) _____

b) Name one mineral salt that helps to strengthen bones and teeth, apart from calcium.

c) What do we call the displacement of bones from the normal position at the joint?

53. Below is a method making magnet. Use it to answer the questions that follow.



- a) Which method of making magnets is shown in the above diagram?

- b) Name the poles of the magnet made using the method you mentioned above;
i) Pole X _____
ii) Pole Y _____
- c) State one way of making magnets made by the above method stronger?

54. a) Suggest any two ways how water is used as an energy resources.
i) _____
ii) _____
- b) Why is water regarded as a renewable resource?

- d) State any one way of conserving water as a resource.

55. a) State any two reasons why friction is regarded as a nuisance force.
i) _____
ii) _____
- b) Why do road builders construct roads using rough stones?

- c) State any one way of reducing friction in moving parts of a machine.

SUCCESS
HAPPY HOLIDAYS