



ATLAS JUNIOR SCHOOL – LUGOBA

NABWERU

MID TERM TWO EXAMINATION 2024

Integrated Science

PRIMARY SEVEN

Time allowed: 2 hours 15 Minutes

Name:Signature:
.....

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

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.

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<i>Qn. No.</i>	<i>MARKS</i>	<i>EXR' S NO.</i>
1-10		
11- 20		
21 - 40		
41 - 43		
44 - 46		
47-49		
50 -53		
54 - 55		
TOTAL		

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8. Do **not** fill anything in the boxes indicated. For official use only.

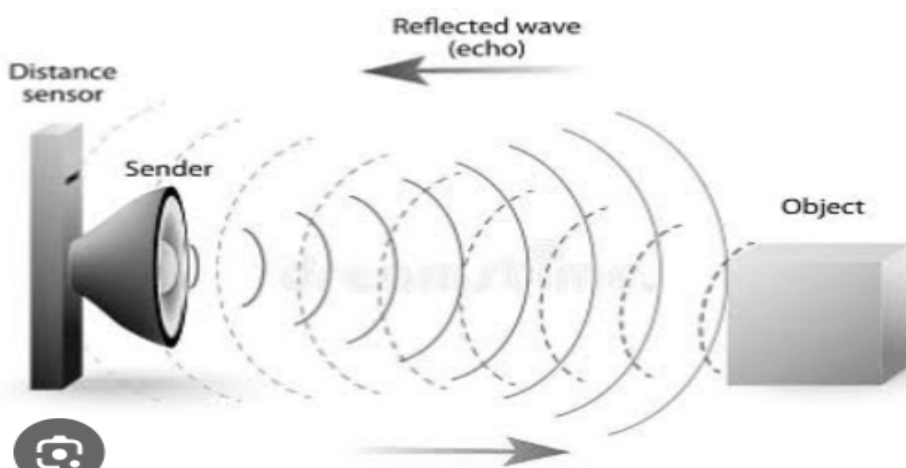
SECTION A (40 MARKS)

1. Name the device that uses electricity and magnetism to produce sound.

2. State any **one** Primary sex characteristic that occurs in both girls and boys.

3. State the importance of fibrous roots to a sorghum plant.

Below is a property of sound. Use it to answer question 4 and 6.



4. State the property of sound shown in the above diagram.

5. How is the above property important to bats in the environment?

6. In which **one** way is **drug misuse** different from **drug abuse**?

7. Name the type of movable joint that allows nodding at rotation of head.

8. State the function of a micropyle to germinating bean seed.

- _____
9. Why are conifers regarded as non-flowering plants yet they reproduce by means of seeds.
- _____
10. Give a reason why some farmers prefer keeping exotic breeds of chicken + local breeds.
- _____
- _____
11. Name the immunisable disease that can be spread through having unprotected sexual intercourse with an infected person.
- _____

Below is a type of lens, use it to answer questions that follow.



12. Name the type of lens shown in the above diagram.
- _____
13. Name the eye defect corrected by wearing spectacles with that type of lens shown above.
- _____
14. State **one** way in which trees help to conserve the environment.
- _____
15. How do maize plants protect themselves from self pollination?
- _____
16. Why is an electric fuse made up of thin wire?
- _____
17. Give **one** reason people wear sweaters on cold days.
- _____
18. Which disease of the skeleton is characterized by oxbow legs and knock-knee legs?
- _____
19. Find the work done by the machine which did the work using the force of **80N** through a distance of 6 metres.

20.State any **one** way in which plants depend on animals.

Below is a list of food eaten daily at Mulongo' s home, use it to answer question 21 and 22.

Honey

Fish

Green leafy vegetables

Rice

21. Name the food value Mulongo' s family got through eating honey.

22.Give a reason Mulongo' s family would feed on all the above type of foods on daily basis.

23.Identify any **one** natural source of heat in the environment.

Below is a simple machine, use it to answer questions 24 and 25.



24.Name the simple machine shown in the above diagram.

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25. To which group of simple machines does the above belong?

26. Name the part of the digestive system that stores bile.

27. Why does a pinhole camera produce images which are inverted?

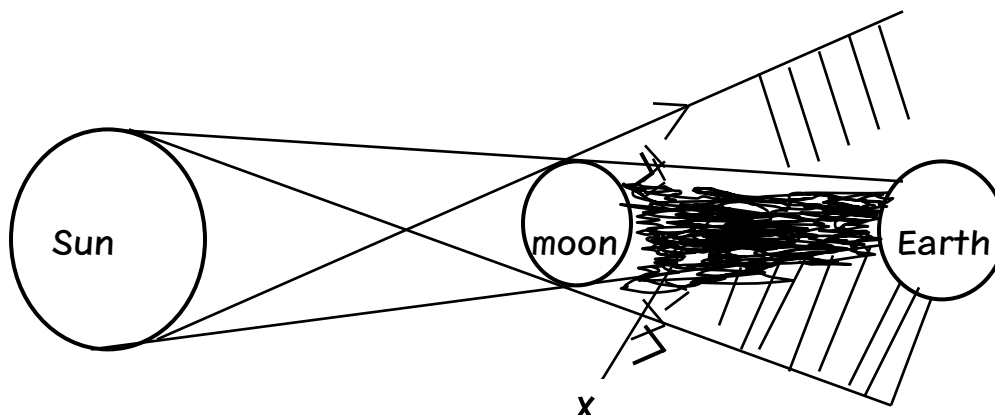
28. State **one** mechanical method of controlling crop pests in the garden.

29. Describe how deforestation leads to soil erosion.

30. Mention **one** instrument used to measure mass of an object.

31. State any **one** characteristic of poisonous snakes.

Below is a type of an eclipse, use it to answer questions 32 and 33.



32. Name type of eclipse shown in the above diagram.

33. Name the part of a shadow formed at part marked X on the above diagram.

34. How does paddocking help to control cattle parasites.

35. State any **one** advantage of feeding a baby on breast milk.

36.State any **one** role of young farmer' s club in a school.

37.Name the type of pulley which works like the action of a second class levers.

38.Why do people tend to urinate frequently on cold days than on hot days?

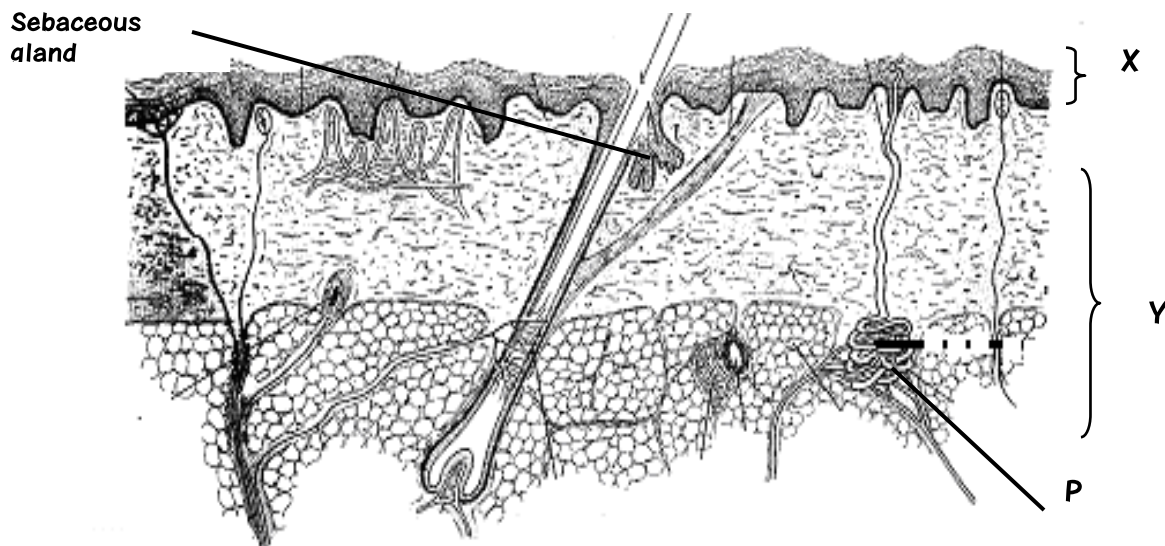
39.In the space provided draw a symbol of an electric circuit used for converting electrical energy into light energy.



40.State any one factor considered when selecting a breed of cattle.

SECTION B (60 MARKS)

41. Below is a diagram of a human skin, use it to answer questions that follow.



a) Name the layers of the skin marked with X and Y.

X_____ Y_____

b) What name is given to the oil produced by the sebaceous gland on the above skin.

c) State the function of part marked with letter P to the above diagram.

42.a) In which way does the following reptiles protect themselves;

i) Snakes _____

ii) Chameleon _____

b) Mention **one** example of non-poisonous snake.

d) What first aid can you give to P.7 boy whose leg has been bitten by a poisonous snake?

43.a) Name the poisonous substance in tobacco that leads to lung cancer.

b) A part from lung cancer, mention **one** other disease associated with smoking of tobacco.

c) State **two** dangers of smoking to a pregnant mother.

i) _____

ii) _____

44. Below is a food chain use it to answer questions that follow.

Lion ← rabbit ← sweet potato leaves ← sun

a) What do the arrows represent from the above food chain?

b) Which of the above animals in the food chain acts as;

i) Primary consumer _____

ii) Secondary consumer _____

c) Why is the sun included in the above food chain?

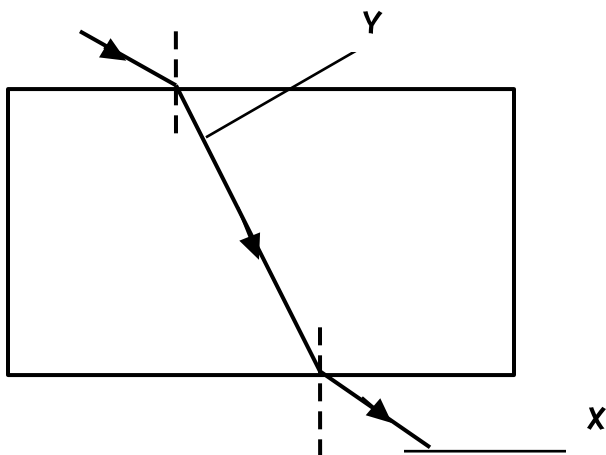
45.a) What type of soil is suitable for making glass?

b) Apart from the above type of soil, mention one other type of soil.

c) Name the component of soil that improves soil fertility.

d) What do we call the vertical arrangement of soil layers?

46. Below is a diagram about refraction of light use it to answer questions that follow.



a) Name the ray marked with letter;

i) X _____ ii) Y _____

b) Why does ray marked Y bend towards the normal?

c) Why does ray marked X bend away from the normal ray?

47. a) State any **two** characteristics formed by the human eye.

i) _____

ii) _____

b) State the function of the following parts of the human eye.

i) Iris _____

ii) Retina _____

48.a) Why is it important to use insulated electric wires during electric installation?

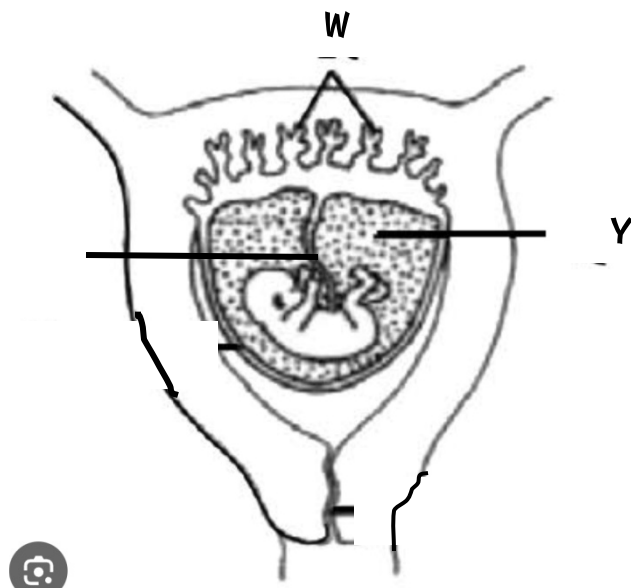
b) Give **two** examples of insulators used to cover electric wires.

i) _____

ii) _____

c) Why is a fuse said to be a safety device in an electric installation?

49. The diagram below shows the embryo in the womb use it to answer question.



a) Name the liquid marked Y

b) State one function of parts marked

i) W _____

ii) X _____

c) State **one** reason why the pregnant mother should be fed on foods rich in calcium.

50. a) State the use of ball bearings found in bicycle wheels.

b) Give a reason why some door hinges usually produce a lot of noise.

c) Name **two** lubricants applied in moving parts of a machine.

i) _____

ii) _____

51. a) Give **two** signs of heat in cows.

i) _____

ii) _____

b) Apart from butter give other **two** products got from milk.

i) _____

ii) _____

52. a) Mention **two** roles played by the young farmers club at your school.

i) _____

ii) _____

b) Apart from young farmers, mention **one** other science oriented club in a school.

c) State any **one** activity carried out by young farmers club.

53. a) Give a reason why latrines should be built downhill the water source.

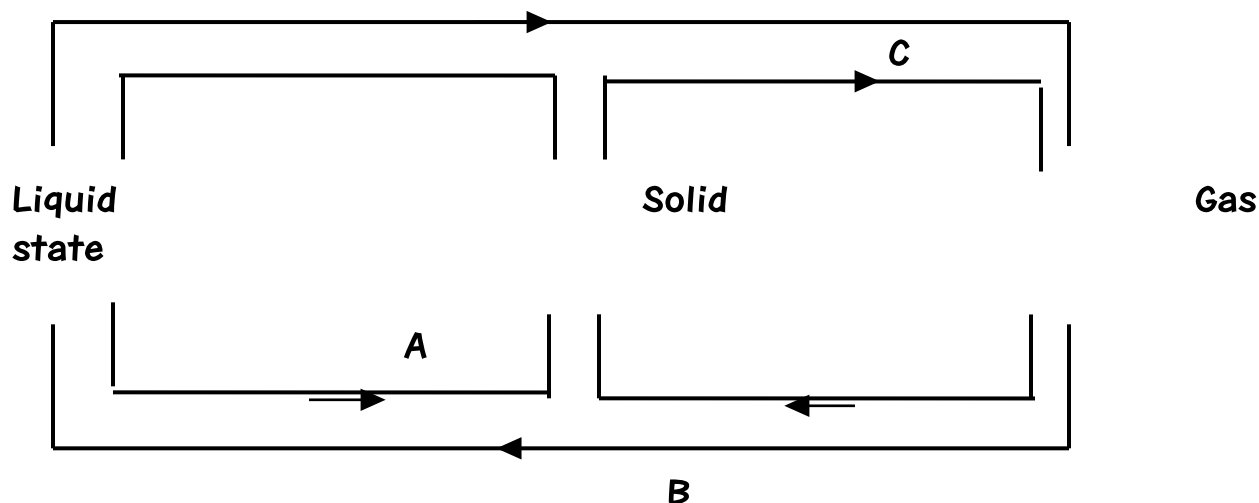
b) Give the recommend distance between the pit latrine and the water source.

c) Suggest **two** ways of keeping a conventional latrine clean.

i) _____

ii) _____

54. The chart below shows changes in states of matter use it to answer question 54.



a) Name the physical process at

i) A _____

ii) C _____

b) State any **one** importance of process marked B to be environment.

c) Identify any **one** example of natural change in the environment.

55. Name the part of the human body where the following movable joints are found

i) Gliding joint _____

ii) Pivot joint _____

b) Which type of skeleton is found in the following organisms?

i) Tapeworm _____

ii) Tortoise _____

Work hard

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