**ATLAS JUNIOR SCHOOL – LUGOBA NABWERU**



**MID TERM TWO EXAMINATION 2024**

INTEGRATED SCIENCE

***PRIMARY SIX***

***Time allowed: 2 hours 15 Minutes***

Name: ………………………………………………………………………………Stream: …………………….…………

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| **FOR EXAMINER’S USE ONLY** |
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| **FOR EXAMINER’S USE ONLY** | | |
| ***Qn. No.*** | ***MARKS*** | ***EXR’S NO.*** |
| **1-20** |  |  |
| **21-37** |  |  |
| **38 - 43** |  |  |
| **44 - 47** |  |  |
| **48 - 52** |  |  |
| **53- 54** |  |  |
| **55** |  |  |
| **TOTAL** |  |  |

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

**SECTION A (40 MARKS)**

1. Name type of blood vessels that transport blood towards the heart.

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1. How are splints useful in administering first aid for fractures?

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1. Why is a mushroom not grouped under spore producing plant yet it produces by means of spores?

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1. Identify the mineral salt that helps in formation of blood.

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Below is a diagram of a non flowering plant. Use it to answer question 5 and 6.

1. Name the part marked with letter X.

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1. How is part marked X important to the above non- flowering plant.

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1. Name the weather instrument used to measure humidity in an area.

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1. Give **one** way in which bush burning leads to soil erosion.

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1. State the structural difference by dairy cattle and beef cattle.

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1. State the function of kidneys in the human body.

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1. How does a pawpaw plant protect itself from self pollination?

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1. Name **one** raw material for photosynthesis.

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1. Why are geckos able to walk upside down on ceilings without falling?

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1. Give **one** way of avoiding burns while lifting hot object.

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Below is a method of vegetative plant propagation. Use it to answer questions that follow.

1. Name the method of vegetative propagation shown in the above method.

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1. Name **one** plant propagated using the above methods.

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1. Which type of feathers help birds to fly?

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1. How does a millipede protect itself?

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1. Musa usually smokes opium on daily basis, state one effect of smoking opium on Musa’s health.

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Below is method of seed dispersal. Use it to answer questions that follow.

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

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1. How is the above seed adapted to its mode of dispersal?

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1. Name **one** component of soil.

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

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1. In which way is a child health card important to a patient?

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1. Name the immunisable whose sign is stiff muscles and spasm when touched.

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1. State **one** factor considered by a doctor when prescribing a drug for a patient.

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1. In which way is a fern plant similar to a maize plant?

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Below is method of brooding chicken, use it to answer question 28 and 29.

1. Name the type of brooding shown in the above diagram.

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1. State **one** disadvantage of using the brooding method you method mentioned in (28)

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1. Name **one** tick –borne disease that attack goats.

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1. Name the blood vessel that carries oxygenated blood from the heart to all body part.

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1. State **one** sign of poor sanitation at school.

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1. Give **one** factor considered when selecting a breed of cattle.

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1. Identify on exotic breed of pigs.

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1. Which element of PHC is promoted when a P.6 boy feeds on a balanced diet?

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1. Why should calcium be added in the diet of a pregnant mother?

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1. How many teeth make a milk set of teeth?

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1. ……
2. Identify any **one** intestinal communicable disease that affect the digestive system.

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1. What is meant by the term plant propagation?

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**SECTION B (60 MARKS)**

1. Below is a diagram of living house. Use it to answer questions that follow.
2. State the function of the part labeled with letter X and Y.
3. X\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. y \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Why are ventilators placed above windows on living house?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. By what does heat from the sun help to dry harvested cereals.

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1. a) Briefly explain the term seed dispersal.

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b) Which method of seed dispersal takes place in coconut seeds?

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1. State any **two** importance of seed dispersal in the environment.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. a) Which element of weather requires people to wear;
5. gumboots \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. light clothes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Name the furthest clouds in the atmosphere.

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c) Why do farmers transplant their seedlings in the evening?

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1. **Below is a diagram of the human heart. Use it to answer questions that follow.**
2. Name the blood vessel marked with letter ;

A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ B\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Which type of blood is carried by the side of the heart marked with letter C?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. State the function of the Septum muscle on the heart.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. a) Which way is transpiration to sweating?

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b) State any **two** factors which affect the rate of transpiration.

i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) How is transpiration important to the environment?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. a) What is meant by the following terms;
2. Drug abuse \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Drug misuse \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) State any **two** effects of drug abuse to an individual.

i)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. a) Name the part used by a grasshopper for feeding.

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b) Where do grasshoppers lay their eggs?

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1. Which type of lifecycle do grasshoppers undergo?

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1. Give **one** importance of grasshoppers to people.

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1. **Below is a diagram of a bean seed. Use it to answer questions that follow.**
2. State the function of part labeled with letter;
3. **P**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. **Y** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Which part of bean seed performs a similar function like an endosperm of maize grain?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What name is given to poison producing glands in snakes?

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1. a) Apart from ferns, mention **two** other examples of spore bearing plants.

i)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ii)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) How do ferns reproduce?

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c) How are ferns different from conifers in terms of reproduction?

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1. a) In which way do the following reptiles protect themselves against enemies;
2. tortoise \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Chameleon \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Name one example of poisonous snake.

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c) What name is given to poison producing glands in snakes?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. a) Give **two** reasons why farmers prefer keeping local breeds of cattle on farm to exotic breed.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Mention **two** diary breeds of cattle kept in Uganda.

i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ii)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. a) How are the following important I a deep litter house?
2. Perches \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Litter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) State any **two** disadvantages of using deep litter system of keeping poultry.

i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Match the food values to their food deficiency.

Food value Food deficiency

1. Carbohydrates Anaemia
2. Iodine marasmus
3. Iron kwashiorkor
4. proteins Goitre

**Correct order**

1. Carbohydrates \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Iodine \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Iron \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. proteins \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. In which way are the following plants propagated.
6. Irish potatoes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Sugar cane \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Identify **one** artificial method of vegetative plant propagation.

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c) State **one** advantage of using vegetative plant propagation.

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1. a) What term refers to the softness or loudness of sound?

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b) How does a guitar produce sound?

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1. Why can’t sound travel through vacuum?

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1. In which state of matter does sound travel fastest?

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*END*

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