

# LEARNMARK EXAMINATIONS BOARD

YOUR PATH TO EXCELLENCE

## PRE-MOCK EXAMINATIONS 2025

### INTEGRATED SCIENCE

Time allowed: 2hours and 15minutes

Index number

| Random number |  |  |  |  | Personal no |  |  |  |
|---------------|--|--|--|--|-------------|--|--|--|
|               |  |  |  |  |             |  |  |  |

Candidate's Name.....

Candidate's signature.....

District ID number

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### Read the following instructions carefully

1. The paper has **two** sections: **A** and **B**.
2. Section **A** has **40** questions (**40 marks**).
3. Section **B** has **15** questions (**60marks**).
4. All the answers for both section **A** and **B** must written in the **spaces provided only**.
5. All answers must be written using a **blue** or **black** point pen or **fountain** pen or ink.
6. Any work written in a pencil except for diagram **will not be marked**.
7. Unnecessary changes in your work and handwriting that **cannot** be read easily may lead to **loss of marks**.
8. **Do not** fill anything in the **table** indicated

**“FOR EXAMINER’S USE ONLY**

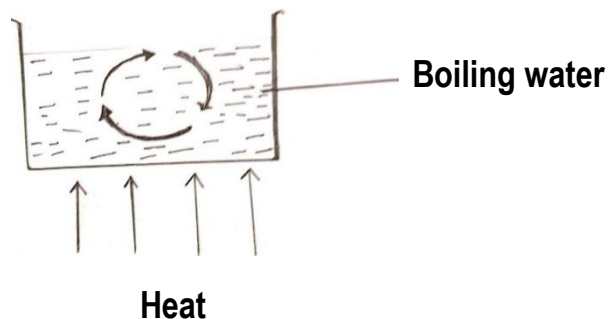
| FOR EXAMINER’S USE ONLY |       |           |
|-------------------------|-------|-----------|
| Qn. No.                 | MARKS | EXR’S No. |
| 1 – 10                  |       |           |
| 11 - 20                 |       |           |
| 21 – 30                 |       |           |
| 31 – 40                 |       |           |
| 41 – 43                 |       |           |
| 44 – 46                 |       |           |
| 47 – 49                 |       |           |
| 50 – 52                 |       |           |
| 53 – 55                 |       |           |
| TOTAL                   |       |           |

## SECTION A: 40 MARKS

*Answer all questions.*

1. Name one **disease** that can spread through **sharing a comb** with an infected person.  
.....
2. Give **any one** example of **exotic breed of layers**.  
.....
3. Give **one seed** which is **a source of proteins** to human bodies.  
.....
4. Why are **objects** that are thrown up fall down?  
.....
5. How can **plants benefit** from the existence of **cattle** in the same locality?  
.....
6. Why are people **encouraged** to **wash their hands** with **clean water** and **soap** after **touching** any surface or object?  
.....
7. Give **a reason** why water is regarded as **a universal solvent**?  
.....
8. In which one way **do latrines** help in the **control of diarrheal diseases** in an area?  
.....

Study and use the diagram carefully to answer question 9 and 10.



9. What do arrows in the diagram represent?  
.....
10. Which state of matter does water turn into when it boils?  
.....
11. What is the **significance** of **halteres** to an insect like a worker bee?  
.....

12. Write **one** way how people can avoid **snake bites** in their homes.

.....

13. Name **the larva stage** of a bee

.....

14. State one way of **managing rubbish** at school.

.....

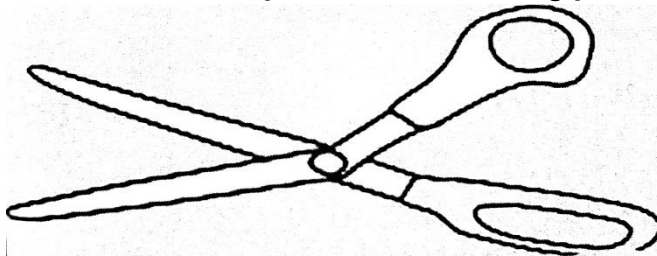
15. Mention **one way** how you can **avoid food contamination**.

.....

16. Why is **a moon** regarded as **a non- luminous** object?

.....

17. Use **an arrow** with **letter p** to show **the turning point** of the lever below.



18. If your friend **accidentally pours hot milk** on his/her hand, what **first aid** would you give him or her?

.....

19. Give **one** example of a **gliding joint**.

.....

20. Draw a diagram in the space to show how **an opaque object** affects light rays.

21. How can pineapples be propagated apart from using suckers?

.....

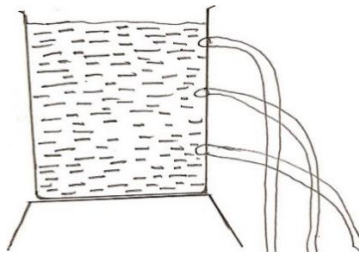
22. Give the **meaning** of the **term heat energy**.

.....

- .....
23. Which **component** of blood carries oxygen?
- .....
24. Why is the **burning of charcoal** to ashes called a **chemical change**?
- .....
- .....
25. How can **echoes** be controlled in a **cinema hall**?
- .....
26. Apart from the **Fahrenheit**, name the other scale used for **measuring temperature**.
- .....
27. How does the **wearing of face masks** help to control the spread of **COVID-19**?
- .....
- .....
28. Give **one role** of **animals** to people as **energy resources**.
- .....
29. How does a **pawpaw** plant **encourage cross pollination**?
- .....
30. What is the **natural habitat** for a tadpole?
- .....
31. In which way is the **beak** of the **sunbird adapted** to its function?
- .....
- .....
32. Why **is breast milk** said to be the best type of **food to babies**?
- .....
33. Identify **one** activity done to promote **personal hygiene**.
- .....
34. How does **crop rotation** control **pests** and **diseases** from the garden?
- .....
- .....
35. Mention **one disease** in cattle that is not **caused by germs**.

.....

36. What **does** the **experiment** below prove about **liquids**?



.....

37. Mention **one natural resource** found underground which is used **as fuel**.

.....

38. Whenever James opens or closes his **door**, **hinges** makes a lot of **noise**, what can he do to stop the **noise** from his **door hinges**?

.....

39. Give the role of the **epiglottis** in the **respiratory** system.

.....

40. How **do bats** benefit from **sound reflection**?

.....

**Section B (60marks) Answer all questions.**

41 a) Which part of a **leaf performs** the following function?

i) **Attaching the leaf** to a branch or stem

.....

ii) **Distributing water** and starch

.....

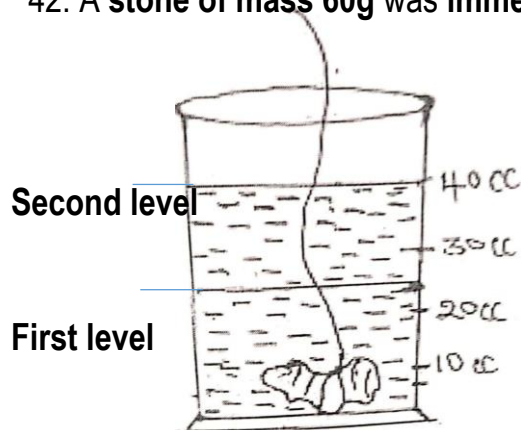
b) To which **system** of a **flowering plant** does a **leaf belong**?

.....

c) Apart from **transpiration** and **breathing**, name any other process that takes place in a **leaf**.

.....

42. A **stone of mass 60g** was **immersed** in water as shown in the diagram below.



a) Name **the method used** to find the **volume** of the object.

.....

b) Find the **volume** of the stone?

c) Why is the **stone** able to reach **the bottom** of the container when it was dipped in the water?

.....

d) How **much water** is in the container?

43 a). Which **type** of change is **moulting**?

.....

b) How is **moulting** important to **insects**?

.....

c) Why is **rusting** regarded as a **chemical** change?

.....

d) Give **one man** made **change** in the environment.

.....

44 a). Name the **form of energy** that enables us to see.

.....

b). State **any one property** of the above form of energy.

.....

c). Why does a **pinhole** camera form an **inverted image**?

.....

.....

d). Which part of the **human eye** has the same function as the **aperture** in the **lens camera**?

.....

45 a). Where in the **alimentary canal** does **digestion** of food end?

.....

b). Why are **vitamins and mineral salts** not digested?

.....

c). Give **one role** of **food** in the body.

.....

d). How is the **proper chewing** of food important?

.....

46 a). What do you **understand** by the **term poultry**?

.....

b). Give **one example** of poultry kept in Uganda.

.....

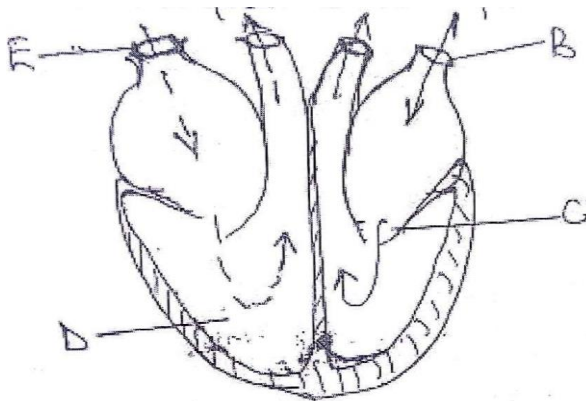
c). Mention **one product** got from poultry.

.....

d). Name **one viral disease** that affects poultry.

.....

47. The diagram below is the **structure of a mammalian heart**. Study and use it carefully to answer the questions that follow.



a). Name the part **marked C**.

.....

b). What **type of blood** is carried by the blood vessel **B** and **E**;

i). **B**.....

ii) **E**.....

c) What is the role of part **marked C**?

.....

48 a). Write **PHC** in full?

.....

b). Which **element of PHC** is **promoted** through the following ways;



- i) **Eating a balanced diet**.....
- ii) **Helping casualties**.....
- c). State **any one principle** of **PHC**.

.....

49 a). Give **any one** example of **animal freedom**.

.....

b). Mention **any one** way people have **abused animal freedom**.

.....

c). State **two** ways people can **care** for animals.

i). .....

ii). .....

50 a). What are **vulnerable groups** of people?

.....

.....

b). Give **two examples** of **vulnerable** groups of people.

i) ..... (ii) .....

c). Mention **one important** service required by **vulnerable** group of people.

.....

51 a). How are the following crops propagated?

i) **Carrots** .....

ii) **Irish potatoes**.....

b). Why are **farmers advised** to plant their crops early?

.....

c). Which **crop practice** helps to **keep moisture** in the soil?

.....

52. Soil is formed through **decomposition** and **weathering**;

- a). Name the **component** of soil formed through;
- i) Weathering of rocks.....
- ii) Decomposition of organic matter.....
- b) How are **earthworms** important to the soil?
- .....
- c) Give a **reason** why too much application of artificial fertilizers is **harmful** to the soil.
- .....

53 a). Give a **reason** why a **bag** is regarded as **matter**.

- .....
- b). In which **state of matter** are the molecules **closely packed**?
- .....
- c). Identify **the force** that keeps **molecules** in the above **state of matter compact**.
- .....
- d). Give the **difference** between **Mass** and **Weight**.
- .....
- .....

54. Match the vectors in list J correctly with the diseases they spread in list K.

**List J.**

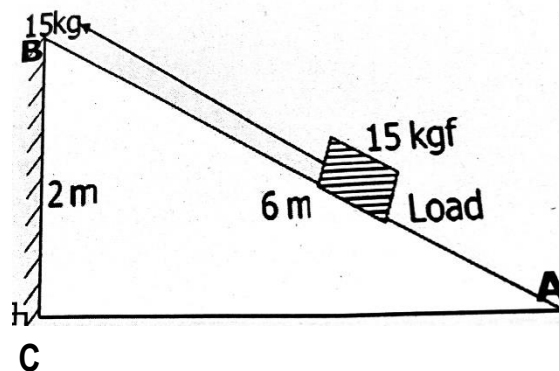
- i) Tsetse fly
- ii) Housefly
- iii) Anopheles mosquito
- iv) Culex mosquito

**List K.**

- Malaria
- Filariasis
- Sleeping sickness
- Trachoma
- Yellow fever

- i) Tsetse fly.....
- ii) Housefly.....
- iii) Anopheles mosquito.....
- iv) Culex mosquito.....

55. Below is a simple machine used for lifting objects. Use it to answer questions that follow carefully



a) Name the type of **simple machine** shown in the diagram above.

.....

b) What is the **distance** moved by the **load**?

.....

c) How can the above **simple machine** be **improved** in order to **use less effort**?

.....

d) Calculate the **mechanical advantage** of the above **machine**.

.....

**\*Good luck\***