

# KIYALA HIGH SCHOOL

## END OF TERM ONE ASSESSMENT TEST - 2024

### PHYSICS

#### S.3

**1 Hours 30 minutes**

#### INSTRUCTIONS

- This paper consists of two sections **A** and **B**. It has **four** examination items.
- Answer **all** the items from both sections **A** and **B**.

### SECTION A

#### Item 1

In certain markets, many traders wanted to determine the wight of their goods they were selling to their customers. However, a majority of these were not able to determine the weight of their good however much they were provided with weighing scales.

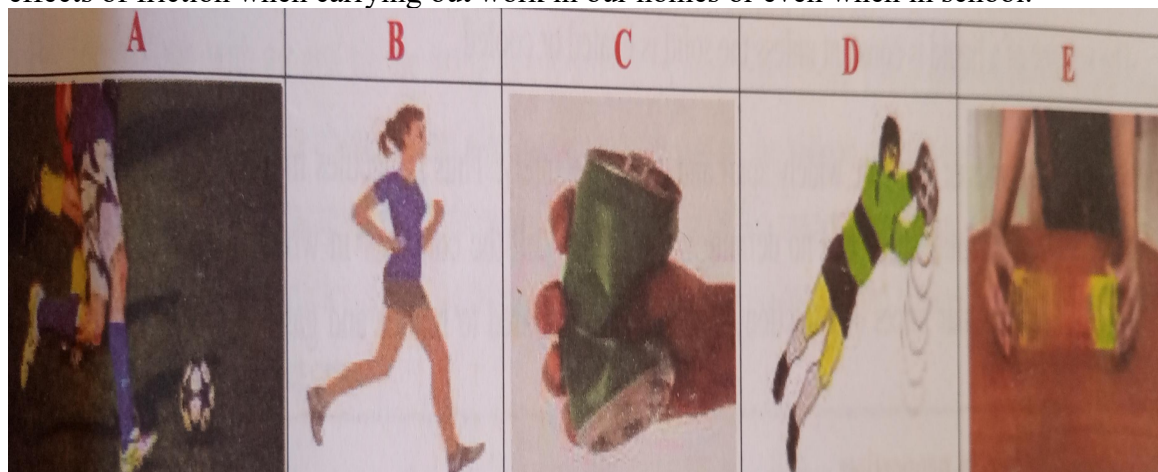
#### **Task**

As a student who has studied about measurements, help these traders to understand;

- a)** The differences between mass and weight.
- b)** The two (2) factors affecting the weight of the body.
- c)** The difference between vector quantity and scalar quantity and give one example of each.

#### Item 2

Friction has negative and positive effects in our daily life and everybody meets these effects of friction when carrying out work in our homes or even when in school.



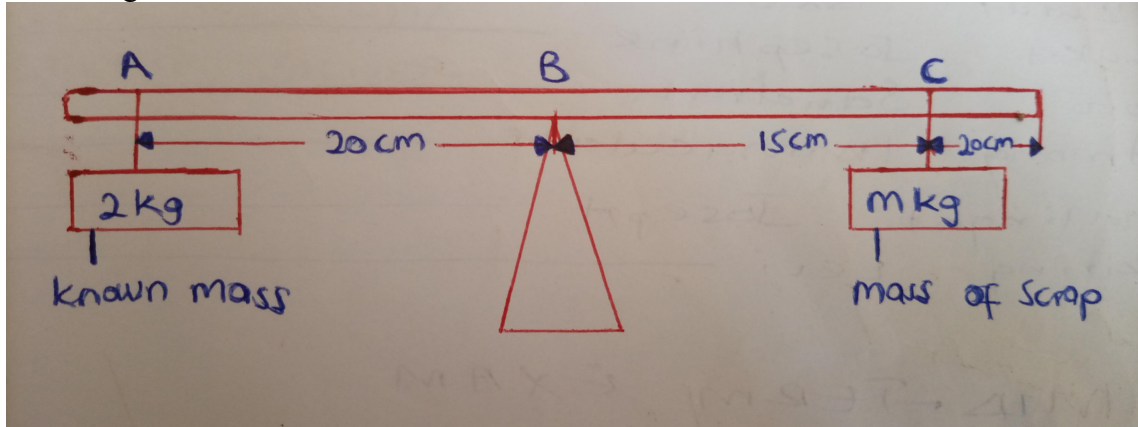
#### **Task**

Use the figure A, B, C, D and E above to explain the effects of force demonstrated.

## SECTION B

### Item 3

In a certain village, a man wanted to sell scrap but has a challenge of using the measuring instrument shown below



He needs an explanation on how to use the instrument to find the mass of the scrap.

#### ***Task***

Write down how you can help him solve this problem.

### Item 4

Curved mirrors in cars are placed on the sides and others above but besides the driver's seat as shown in the figure below.



#### ***Task***

You have been tasked to talk to senior three (3) students about the purpose of curved mirrors,

Write about the purpose of the mirrors in relation to where they are placed in the cars.

**SUCCESS**