| LEARNER'S NAME: |  |                   | STREAM: |  |
|-----------------|--|-------------------|---------|--|
| LEARNER'S NO.   |  | STUDY GR<br>NAME: | ROUP'S  |  |

Physics
Paper 2023
1<sup>1</sup>/<sub>2</sub>hours

## THE PHYSICS DEPARTMENT 2023

Uganda Certificate of Lower Secondary Education

5.1 Beginning of term.11. Assessment

1 Hour 30 Minutes

## **INSTRUCTIONS**

- Use the blue or black ink pen only
- Attempt ALL questions in this paper.

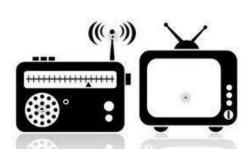
## Extended response question

## Question.1

The importance of physics in our lives is highlighted by the many applications that physics has made possible in people's lives, and which have become one of the indispensable necessities of life however most people are not aware of this significance especially our old grandparents. Study the pictures below and the questions.

(40 marks)







A

В

C





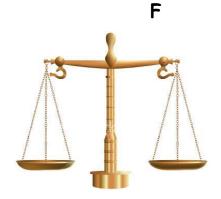


D

G



Ε



Н

- (a). as an s.1 physic learner, explain some of the guideline that must be followed during the above study in a science laboratory.
- (b) From the above highlighted images identify the activity in figures above and explain how physics helps in our daily life. In each case identify the figure, how it is applicable, and the branch of physics where the above figure falls under.
- (c) From pictures in A, B, C, D, E, F, G and H above write down the possible career opportunities (occupation undertaken) at the end of your education.
- (d) The table below contains some physical quantities commonly used in real life situations; complete the table using the right symbol, unit, and quantity.

| QUANTITY         | SYMBOL | UNIT               | SYMBOL |
|------------------|--------|--------------------|--------|
| Mass             | m      | kilogram           | Kg     |
| Length           | 1      |                    | m      |
|                  |        | Seconds            |        |
| Electric current | I      |                    |        |
|                  |        | Kelvin             | K      |
| Area             |        |                    | $m^2$  |
| Density          |        | Kilogram per cubic |        |
|                  |        | centimeter         |        |
| Pressure         |        |                    | Pa     |