**A C K PHYSICS CONFIDENTIAL 2022**

**CONFIDENTIAL INSTRUCTIONS TO SCHOOLS**

**PHYSICS PAPER 3 (232/3) (PRACTICAL)**

**INSTRUCTIONS TO SCHOOLS:**

1. The information contained in this paper is to enable the head of school and the teacher in charge of Physics to make adequate preparation for this Physics practical examination. **NO ONE ELSE** should have access to this paper or acquire knowledge of its contents. Great care **MUST** be taken to ensure that the information herein does not reach the candidates either directly or indirectly.

2. The apparatus required by each candidate for the Physics Practical examination are set out on below. It is expected that the ordinary apparatus of a Physics laboratory will be available.

3. The **Physics teacher** should note that it is his/her responsibility to ensure that each apparatus acquired for this examination agrees with the specifications as indicated on the list of apparatus below.

4. The question paper will not **be** opened in advance.

5. The Physics teacher is **not** expected to perform the experiments.

**NB: Any use of apparatus other than the ones specified may lead to candidates being penalized.**

**QUESTION ONE**

**2** new dry cell size **D**

A cell holder for two cells

A switch

A milliameter of range **0** – **1mA**

A capacitor labelled **C 2200µF** and **25V**

**8** connecting wires at least four with crocodile clips on one end

A stop watch

A carbon resistor labelled **R 4700Ω**

**QUESTION TWO**

Each candidate should have:-

* A retort stand, clamp and boss
* A spiral spring
* A stop watch
* Three 100g masses
* A 250ml glass beaker
* A Bunsen burner
* A thermometer (-10 to 1100C)
* A tripod stand and wire gauze
* A measuring cylinder 100mll
* A source of heat
* Some water in a container about 500ml