**CONFIDENTIAL**

**231/3**

**BIOLOGY FORM 4**

**TERM 1 OPENER (ENTRY) EXAM**

**TIME: 1¾ HOURS**

The information contained in this paper is to enable the head of the school and the teacher in charge of Biology to make adequate preparations for the Biology practical examination.

**Each Candidate will Require:-**

* Sodium hydrogen carbonate solution supplied with a dropper, **labeled as L1**
* Starch solution supplied with a dropper, **labeled as L2**
* 5ml Olive oil supplied with a dropper.
* 10ml of 50% Hydrogen peroxide solution supplied with a dropper.
* Iodine solution supplied with a dropper
* 5 clean test tubes.
* 5 blank labels
* Irish potato
* Scalpel
* Pestle and mortar
* Distilled water in a wash bottle
* A 15cm transparent ruler
* 10ml measuring cylinder
* Means of timing e.g. clock/stopwatch.
* Distilled water labeled **Solution J** in a beaker **per student**
* 50ml of 30% Salt solution labeled **Solution K** in a beaker **per student.** (To make the 30% salt solution, dissolve 30g of sodium chloride in 70ml of water. Apply this formula depending on the number of your students)
* Two freshy petioles of Kale leaf each 4cm long.