**TRIAL EXAMINATIONS 2021**

**Kenya Certificate of Secondary Education (KCSE)**

**CONFIDENTIAL**

**231/3 - BIOLOGY - Paper 3**

**(PRACTICAL)**

**INSTRUCTIONS TO SCHOOLS**

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.

**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 candidate either directly or indirectly. The teacher or laboratory technician in charge of Biology should **not** perform any of the experiments or give any information related to these instructions to the candidates.

**This paper consists of 2 printed pages.**

Besides other laboratory fittings and apparatus, every candidate should require the following:

1. Solid **Q**
2. Solid **R**
3. 20ml distilled water
4. 2 labels
5. 6 test tubes in a rack
6. Specimen **Y**
7. 10ml measuring cylinder

Each student to have access to the following reagents;

1. Iodine solution
2. NaOH
3. 1% CuSO2

**Preparations**

1. Solid **Q**, Wheat flour. Weigh 1g of wheat flour and label it Solid **Q**.
2. Solid **R**, Maize flour. Weigh 1g of maize flour and label it Solid **R**.
3. Specimen **Y** is a leaf of kales (Sukuma Wiki)