**SAMIA SUB-COUNTY JOINT EXAMINATION**

Kenya Certificate of Secondary Education

**DECEMBER 2021**

**BIOLOGY PAPER 3**

**231/3 (CONFIDENTIAL)**

**REQUIREMENTS**

1. 4cm3 of Iodine solution
2. 30cm Transparent ruler
3. Solution P – mix glucose, egg albumen and (6cm3) starch
4. Petri-dish (1)
5. Concentrated salt solution labeled L (10cm3)
6. Piece of visking tubing (4cm)
7. 2 pieces of 10cm string (thread)
8. One piece of raw mature banana
9. Scalpel / knife
10. One boiling tube
11. One wall clock per room

**NB:**

* ***Each candidate to provided with the above apparatus, specimens and chemicals***
* ***Photographs for question 2 and 3 should be coloured***