**231/3**

**BIOLOGY**

**ARISE AND SHINE TRIAL 1 EXAM**

**MARCH/APRIL, 2023**

**PRACTICAL CONFIDENTIAL**

***Each Candidate Requires The Following:***

1. About 5g(small)piece of specimen Y.
2. 4 test tubes in a test tube rack and 2 droppers.
3. 10ml of 20% hydrogen peroxide solution in a test tube.
4. 100ml empty beaker – 2.
5. 10ml measuring cylinder.
6. A pair of forceps.
7. Access to hot water maintained at 80°C from a hot water bath.
8. 2 wooden splints.
9. (1 ripe orange fruit labeled specimen K).
10. Scalpel.
11. Access to:
12. Sodium hydroxide solution - 4ml per candidate.
13. Copper (II) sulphate solution - 2ml per candidate.
14. Dilute hydrochloric acid - 2ml per candidate.
15. Sodium hydrogen carbonate solution - 2ml per candidate.
16. Benedict's solution - 4ml per candidate.
17. Source of heat.

**Note:**

* 5g (small) piece of fresh liver labeled as specimen Y.
* 1 ripe orange fruit labeled specimen K.