**BIOLOGY PRACTICAL**

**SUKELLEMO JOINT MOCK JULY 2019**

***This document must not be seen by the candidates whatsoever***

**CONFIDENTIAL INSTRUCTIONS TO SCHOOLS**

**In addition to the apparatus and reagents found in a laboratory, each candidate will be required to have the items listed below:**

* + About 15ml of starch suspension labelledLiquid X
	+ About 1ml of iodine solution supplied with a dropper
	+ About 10 ml of Benedict’s solution
	+ About 1ml of 2M hydrochloric acid supplied with a dropper
	+ 2 Droppers
	+ 10 ml measuring cylinder
	+ A spatula
	+ Means of heating/Bunsen burner
	+ 6 test-tubes
	+ An empty small beaker
	+ Thermometer
	+ Test-tube holder
	+ 1 boiling tube
	+ About 3 ml of sodium hydroxide solution
	+ 3 labels
	+ A white tile/petri dish
	+ Water bath
	+ Diastase/ amylase enzyme (0.5g per student) labeled **Q**
	+ A stop watch/access to a wall clock
* A piece of Lung (about 20 cm3) obtained from a mammal like a cow or goat labeled specimen **T.**
* Provide specimen T on a Petri-dish or on a flat surface.
* A gill obtained from a fresh bony fish like Tilapia labeled specimen **R**.

**N/B:**

***Liquid X is prepared by dissolving 5g of soluble starch in 50ml of distilled water, thorough stirring is required whenever it is being used.***