

ARUSHA TECHNICAL COLLEGE  
**GENERAL STUDIES DEPARTMENT**

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## **LABORATORY PREPARATIONS OF STANDARD SOLUTIONS AND BENCH REAGENTS**

**1.0. DURATION:** 1 Week.

### **2.0. COURSE OBJECTIVES**

**The main objective of the course is for the participant to understand the following**

- a. Preparation of solution and bench re agent
- b. Laboratory preparation of solution
- c. Preparation of bench reagent
- d. Standardization of solution
- e. Performing chemistry practical
- f. Staining and preserving of specimen
- g. Culturing of bacteria
- h. Estimation of bacteria growth

### **3.0. TARGET GROUP**

Secondary school teachers, Laboratory technicians, Laboratory scientist, Research center technician.

### **4.0. COURSE FEE**

The course fee is Three Hundred Thousand Tanzania shillings (300,000/=) inclusive of practical materials.