

051106T4APB

APPLIED BIOLOGY LEVEL 6

APB/OS/AB/CR/02/6/A

Carry Out Microbiological Techniques

Nov/Dec 2024



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

PRACTICAL ASSESSMENT

Time: 1 Hour and 30 Minutes

This paper consists of TWO printed pages.

**Candidates should check the question paper to ascertain that all the pages are printed
as indicated and that no pages are missing.**

INSTRUCTIONS TO CANDIDATE

You are required to perform the following tasks:

Task 1: Prepare for the demonstration.

Task 2: Carry out Ziehl Neelsen staining (acid-fast staining) technique. Observe after the preparation under oil emersion objective.

Question: State the function of each of the steps used in staining.

You have been provided with the following resources;

- i. Sputum
- ii. Staining Rack
- iii. Carbol Fuchsin
- iv. Acid-Alcohol
- v. Methylene blue
- vi. Bunsen Burner or Alcohol Lamp
- vii. Droppers
- viii. Distilled water
- ix. Oil immersion
- x. Microscope Slides
- xi. Filter papers
- xii. Disposable Pair of gloves
- xiii. Note book
- xiv. Microscope
- xv. Stop watch
- xvi. Wire loop
- xvii. Applicator stick.
- xviii. Labels

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