

051106T4APB

APPLIED BIOLOGY LEVEL 6

APB/OS/AB/CR/04/6/A

APPLY HERBARIUM MUSEUM AQUARIUM AND VIVARIUM TECHNIQUES

July /August 2024



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

PRACTICAL ASSESSMENT

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATE

- a. Do not write on the question paper.
- b. A separate plain paper will be provided.
- c. Return this paper to assessor at the end of the assessment

PRACTICAL TASKS

1. The Botany Department at a university is expanding its herbarium collection and needs to construct new plant presses to properly preserve plant specimens. As the herbarium manager, you have been tasked with designing the plant presses to ensure they meet the standards for long-term preservation
 - a) **Task 1: Preparation for the demonstration**
 - b) **Task 2: Demonstrate steps on collection of herbarium plant specimen from a provided botanical garden.**
 - c) **Task 3: Demonstrate steps on identification and labelling of plant specimen.**
 - d) **Task 4: Demonstrate steps on arrangement of plant specimen on a plant press.**
2. You have **2 hours** to accomplish the practical tasks.
3. The assessor will record your performance at critical points using audio-visual means.
4. You have been provided with following resources;
 - i. Maize and beans Specimens in a botanical garden
 - ii. Forceps
 - iii. Magnifying lens
 - iv. Calendar
 - v. Specimen bags
 - vi. Pencil
 - vii. Camera
 - viii. Labels
 - ix. Field notebook
 - x. Pencil
 - xi. A pair of scissors
 - xii. Pencil
 - xiii. Two wooden boards (approximately 12" x 18" or larger)
 - xiv. Two cardboard sheets (same size as wooden boards)
 - xv. Blotting paper or newsprint paper
 - xvi. Straps or belts or bands

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