

051106T4APB

APPLIED BIOLOGY LEVEL 6

APB/OS/AB/CR/05/6/A

Carry Out Ecological and Soil Studies

Nov/Dec 2024



**TVET CURRICULUM DEVELOPMENT
COUNCIL**

**ASSESSMENT AND CERTIFICATION
COUNCIL (CDACC)**

PRACTICAL ASSESSMENT

TIME: 2 Hours

This Paper Contains TWO (2) Printed Pages

INSTRUCTIONS TO CANDIDATE

Perform the following task:

Task: Records Humidity and Temperature in Two Ecosystem Locations

You are required to:

1. Check **Humidity** and **Temperature** of two sampling areas: **Open area with direct sunlight and Shaded area under dense trees or buildings**
2. Record additional environmental data that may influence humidity and temperature, e.g., presence of water sources, vegetation type, and canopy cover.
3. Note the orientation of the sampling point

You are provided with the following:

- a) Digital hygrometer
- b) Thermometer
- c) A diverse area within your ecosystem with varying exposure to sunlight and vegetation cover.
- d) Marking flags or stakes
- e) Compass
- f) Stand or tripod
- g) Shade cloth or umbrella
- h) Stop watch
- i) 100 ft tape measure

Fill the table below accurately:

Table 1

Location	Time Interval (mins)	Humidity	Temp	Vegetation Type	Canopy Cover	Proximity to other bodies, e.g., Water body, Budlings	Orientation
Shaded (Under Trees/Building)	0						
	20						
	40						
	60						
	80						
Open (Direct Sunlight)	0						
	20						
	40						
	60						
	80						

NB: Only average values should be recorded in the table.

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