

052205T4WLM

WILDLIFE MANAGEMENT ASSISTANT LEVEL 5

WL/OS/WLMA/CR/05/5/A

Provide Plant Taxonomy Services

Nov/Dec 2024



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

PRACTICAL ASSESSMENT

OBSERVATION CHECKLIST

Candidate's name & Registration No.			
Assessor's name & Reg. code			
Unit(s) of Competency	Provide Plant Taxonomy Services		
Venue of Assessment			
Date of assessment			
Items to be evaluated: <i>(Award appropriate marks for each item evaluated)</i>	Marks available	Marks obtained	Comments
OBSERVATION CHECKLIST			
1. Personal grooming and presentation i. Field gear (Boots, Khaki/green field gear, cape/hat) ii. PPE (Gloves) iii. Audibility (Task 4) iv. Confidence (Task 4) v. Well-groomed hair and nails <i>(Award 2 marks for each)</i>	2 2 2 2 2		
Sub total	10		
TASK 1 – The student observed and identified the compound leaves correctly			
i) A- Bifoliate ii) B- Trifoliate iii) C- Quadrifoliate iv) D-Palmate v) E- Unipinnate vi) F- Bipinnate <i>(Award 1 mark for each correct response)</i>	1 1 1 1 1 1		
Sub total	06		
TASK 2 – The student observed and named the leaf arrangements correctly			
i) G- Whorled ii) H- Alternate iii) I- Opposite	1 1 1		

<i>(Award 1 mark for each correct response)</i>				
Sub total		03		
TASK 3 – The student observed and Identified the inflorescent positions correctly				
i)	J- Axillary	1		
ii)	K- Whorled	1		
iii)	L- Terminal	1		
iv)	M- Intercalary	1		
v)	N- Basal	1		
vi)	O- Cauliflory	1		
<i>(Award 1 marks for each correct response)</i>				
Sub total		06		
TASK 4 –With reasons the student observed and identified plant families correctly (Interview may apply)				
i)	P- Family Fabaceae/ Leguminosae	1		
	Reason: Fruits are pods	1		
ii)	Q- Family Solanaceae	1		
	Reason: Fruit is a berry	1		
iii)	R- Family Asteraceae	1		
	Reason: Flower is a head/capitulum/have sun shaped flowers	1		
iv)	S- Family Poaceae	1		
	Reason: Stem has nodes and internodes	1		
v)	T- Cyperaceae	1		
	Reason: stem triangular shaped	1		
<i>(Award 1mark for correct family and 1 mark for each correct reason)Nb: family name should have standardized endings -aceae to earn marks</i>				
Sub total		10		

TASK 5 – the student observed and identified the invasive species in Kenya correctly			
i)	U- Water Hyacinth	1	
ii)	V- <i>Opuntia exaltata</i>	1	
iii)	W- Spear thistle	1	
iv)	X- <i>Datura stramonium</i> / Thorn apple	1	
v)	Y- <i>Solanum incanum</i> / Sodom apple	1	
<i>(Award 1 marks for each correct response)</i>			
Sub total		05	
TASK 6 – The student Identified the plant specimens using the dichotomous key correctly			
i)	1- Jack pine	1	
ii)	2- White Pine	1	
iii)	3- Buckeye	1	
iv)	4- Horse chestnut	1	
v)	5- Marple	1	
vi)	6- Elm	1	
vii)	7- White oak	1	
viii)	8- Pin oak	1	
ix)	9- Ginkgo	1	
x)	10- Hawthorn	1	
<i>(Award 1 marks for each correct response)</i>			
Sub total		10	
TASK 7 – The student observed, identified and stated the functions of the herbarium tools accurately			
i)	ZA- Plant press- Pressing specimens to dry	2	
ii)	ZB- Secutoir- Cutting woody plants	2	
iii)	ZC- Mounting sheet- mounting the dried specimens	2	
iv)	ZE- Vasculum/ Specimen bag- Carrying specimens from the field	2	
v)	ZF- Scapel- Cutting small and soft plant parts	2	

<i>(Award 1 mark for correct tool identification and 1 mark for correct function)</i>			
Sub total		10	
GRAND TOTAL		60	
The candidate was found to be: (Please tick (✓) as appropriate).			
Competent	<input type="checkbox"/>	Not yet competent	<input type="checkbox"/>
<i>The candidate is competent if they score 50% of total marks</i>			
Feedback from candidate:			
Feedback to candidate:			
Candidate's signature:		Date:	
Assessor's signature:		Date:	