

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 (CDACC)

PRACTICE 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)	2		
ii. PPE (Gloves)	2		
iii. Audibility (Task 4)	2		
iv. Confidence (Task 4)	2		
v. Well-groomed hair and na	2		
<i>(Award 2 marks for each)</i>			
Sub total	10		
TASK 1 – The student observed and identified the compound leaves correctly			
i) A- Bifoliate	1		
ii) B- Trifoliate	1		
iii) C- Quadrifolite	1		
iv) D-Palmate	1		
v) E- Unipinnate	1		
vi) F- Bipinnate	1		
<i>(Award 1 mark for each correct response)</i>			
Sub total	06		
TASK 2 – The student observed and named the leaf arrangements correctly			
i) G- Whorled	1		
ii) H- Alternate	1		
iii) I- Opposite	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 may apply)			
i)	P- Family Fabaceae/ Legumin Reason: Fruits are pods	1 1	
ii)	Q- Family Solanaceae Reason: Fruit is a berry	1 1	
iii)	R- Family Asteraceae Reason: Flower is a head/capitulum/have sun shaped flowers	1 1	
iv)	S- Family Poaceae Reason: Stem has nodes and internodes	1 1	
v)	T- Cyperaceae Reason: stem triangular shaped	1 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	
(Award 1 marks for each correct response)			
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	
(Award 1 marks for each correct response)			
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	☐	Not yet competent	☐	
<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:	