

081205T4HPN

HORTICULTURE PRODUCTION LEVEL 5

HO/OS/HP/CR/08/5/B

Produce Ornamental Plants

Nov/Dec 2024



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

PRACTICAL ASSESSMENT

OBSERVATION CHECKLIST

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	Marks Available	Marks Obtained	Comments
TASK 1: PREPARE TO PLANT A GERANIUM STEM CUTTING IN A POT			
1. Wore Personal Protective Equipment (PPEs: overall, hand gloves and gumboots). <i>(Award 1 mark for each PPE donned as per workplace procedures)</i>	3		
2. Selected a suitable site for preparation of	1		

potting mix (Award 1 mark)			
3. Assembled and identified all tools, equipment and materials required <ul style="list-style-type: none"> Assembled tools Identified tools (Award 1 mark for each activity)	2		
4. Measured ingredients and placed in the bucket; <ul style="list-style-type: none"> Measured ingredients (garden soil, sand, farm yard manure) Used correct ratio (1:1:1); Placed ingredients in the larger container (Award 3 marks for each activity)	9		
5. Thoroughly mixed all the ingredients together. (Award 2 marks for mixing or Zero)	2		
6. Made holes on the lower part of the pot. <ul style="list-style-type: none"> Used a nail to make at least 4 holes on the lower part of the pot (Award 2 marks or Zero)	2		
Sub-Total 1	19		
TASK 2: TEST AND ADJUST THE SOIL pH OF THE PLANTING MEDIUM			
7. Assembled the required tools and equipment as per workplace procedure. <ul style="list-style-type: none"> Beaker Garden trowel pH meter Measuring cylinder Distilled water Stirring rod 	5		

<ul style="list-style-type: none"> • Note book • Pencil • Aluminum sulphate • Agricultural Lime <p><i>(Award ½ marks for each)</i></p>			
<p>8. Made a slurry by mixing medium with water</p> <ul style="list-style-type: none"> • Placed equal amounts of medium and distilled water in a beaker. • Thoroughly mixed the medium and distilled water using a stirring rod. <p><i>(Award 3 marks for each activity)</i></p>	6		
<p>9. Tested pH of the medium</p> <ul style="list-style-type: none"> • Inserted the pH meter probe into the slurry. • Took the pH reading • Noted the pH value in a notebook <p><i>(Award 1 mark for each activity)</i></p>	3		
<p>10. Interpreted the pH results</p> <ul style="list-style-type: none"> • If the pH is below 6.0 (acidic soil), there is need to raise the pH. • If the pH is above 7.0 (alkaline soil), there is need to lower the pH. <p><i>(Award 3 marks for proper interpretation)</i></p>	4		
<p>11. Adjusted the pH accordingly.</p> <ul style="list-style-type: none"> • Added 5 g of lime to medium and mixing well with garden trowel to raise the pH. • Added 2 g of Ammonium Sulphate to medium and mixing well with garden trowel to lower the pH. <p><i>(Award 3 marks for proper adjustment)</i></p>	3		
Sub-Total 2	21		

TASK 3: PLANT GERANIUM STEM CUTTING IN A POTTED MEDIUM			
12. Selected the stem cutting material. <ul style="list-style-type: none"> Chose a healthy, non-flowering stems from a mature Geranium plant. The stem cutting should be about 10-15 cm long with at least 2-3 leaf nodes. <i>(Award 2 marks each)</i>	4		
13. Prepared the stem cutting. <ul style="list-style-type: none"> Sterilized the scapel Made a clean cut just below a leaf node. Removed the leaves from the lower half of the cutting, leaving only the top 2-3 leaves. <i>(Award 3 marks each for each activity)</i>	9		
14. Planted the stem cutting. <ul style="list-style-type: none"> Used a pencil to make a hole in the center of the potting mix in each pot. Inserted the cutting into the hole, ensuring that at least one leaf node is buried in the potting mix. Gently pressed the soil around the cutting to secure it in place. Watered the planted cutting gently without saturating the soil. <i>(Award 3 marks each for each activity)</i>	12		
15. Assembled and cleaned all the tools after use. <ul style="list-style-type: none"> Assembled tools Cleaned tools <i>(Award 1 mark for each activity)</i>	2		
16. Gathered and disposed waste at an appropriate place	2		

<ul style="list-style-type: none"> Gathered the waste Disposed the waste <p><i>(Award 1 mark for each activity)</i></p>			
17. Observed safety measures during the practical <i>(Award 1 mark or zero)</i>	1		
Sub-Total 3	27		
GRAND TOTAL	70		
ASSESSMENT OUTCOME			
<p>The candidate was found to be:</p> <p style="text-align: center;">Competent <input type="checkbox"/> Not yet Competent <input type="checkbox"/></p> <p><i>(Please tick as appropriate)</i></p> <p><i>(The candidate is competent if the candidate obtains at least 50%)</i></p>			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature	Date:		
_____	_____		
Assessor's Signature	Date		
_____	_____		