

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

OBSER CKLIST

Candidate's Name & Registration Cod			
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 - Assembled tools - Identified tools (Award 1 mark for each activity)	2		
4. Measured ingredients and placed in the bucket; - 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 ingredient (Award 2 marks for mixing or Zero)	2		
6. Made holes on the lower part of the 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. - Beaker - Garden trowel - pH meter - Measuring cylinder - Distilled water - Stirring rod	5		

- Note book - Pencil - Aluminum sulphate - Agricultural Lime <i>(Award ½ marks for each)</i>			
8. Made a slurry by mixing medium with water - Placed equal amounts of medium and distilled water in a beaker. - Thoroughly mixed the medium and distilled water using a stirring rod. <i>(Award 3 marks for each activity)</i>	6		
9. Tested pH of the medium - Inserted the pH meter probe into the slurry. - Took the pH reading - Noted the pH value in a notebook <i>(Award 1 mark for each activity)</i>	3		
10. Interpreted the pH results - 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. <i>(Award 3 marks for proper interpretation)</i>	4		
11. Adjusted the pH accordingly. - 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. <i>(Award 3 marks for proper adjustment)</i>	3		
Sub-Total 2	21		

TASK 3: PLANT GERANIUM STEM CUTTING IN A POTTED MEDIUM			
12. Selected the stem cutting material. - 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. - 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. - Used a pencil to make a hole in th the potting mix in each pot. - Inserted the cutting into the hole, 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. - Assembled tools - Cleaned tools <i>(Award 1 mark for each activity)</i>	2		
16. Gathered and disposed waste at an appropriate place	2		

- Gathered the waste - Disposed the waste <i>(Award 1 mark for each activity)</i>			
17. Observed safety measures during the practical <i>(Award 1 mark or zero)</i>	1		
Sub-Total 3	27		
GRAND TOTAL	70		
ASSESSMENT OUTCOME			
The candidate was found to be: Competent ☐ Not yet Competent ☐ <i>(Please tick as appropriate)</i> <i>(The candidate is competent if the candidate obtains at least 50%)</i>			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature	Date:		
_____	_____		
Assessor's Signature	Date		
_____	_____		