

051106T4APB

APPLIED BIOLOGY LEVEL 6

APB/OS/AB/CR/07/6/A

Carry out Plant Husbandry

March/April 2025



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

PRACTICAL ASSESSMENT

INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to Mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

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: Carry out screening and sorting of planting material (Seeds)			
1. Wore appropriate attire • Laboratory coat • Closed shoes/Gumboot • Face mask • Gloves <i>(Award 1 Mark or 0 for each)</i>	4		
2. Screened Planting Material (Sorti • Placed the seeds on a tray <i>(Award 1 Mark or 0)</i> • Selected plum, healthy seeds of uniform sizes. Avoided seeds that: • show signs disease/mold spots; <i>(Award 2 Marks or 0)</i> • shriveled; <i>(Award 2 Marks or 0)</i> • have a defective seed coat; <i>(Award 2 Marks or 0)</i> • very small size <i>(Award 2 Marks or 0)</i>	0		

- Placed the selected seeds in a clean 50 ml beaker (Award 1 Mark) - Labelled the beaker (Award 1 Mark) - Discarded the waste materials appropriately (Award 1 Mark)			
Sub-Total 1	14		
TASK 2: Carry out actual seed propagation			
3. Prepared Planting Area - Assembled seeds, hand hoe, planting rope, manure, marking sticks, leveling stick (Award 1 Mark or 0 for each) - Determined the edges of the la Marking using Marking sticks (Award 1 Mark or 0) - Leveled the piece of land using the leveling stick and hand hoe (Award 2 Marks or 0)	9		
4. Planted the seeds - Used the planting rope to determine a straight line for planting (Award 1 Mark or 0) - Made holes at an appropriate distance (spacing) along the planting line (Award 2 Marks or 0) - Moved the planting line 25 cm away from the first line and made holes at	16		

an appropriate distance (Award 2 Marks or 0) - Ensured that planting holes aligned with each other. (Award 2 Marks or 0) - Placed a handful of well decomposed manure in each hole and mixed with the soil thoroughly (Award 2 Mark or 0) - Placed a teaspoonful of DAP fertilizer in each hole (Award 2 Marks or 0) - Placed one healthy seed in each hole (Award 1 Mark or 0) - Covered the seeds with a light of soil and firmed slightly (Award 2 Mark or 0) - Applied enough water in each hole (Award 1 Mark or 0) - Erected a placard with the field's details (Award 1 Mark or 0)			
Sub-Total 2	25		
Task 3: Identify plant pests and diseases on specimen Q, J, K, L, M			
5. Identified plant diseases K, L, J, Q - Observed both sides of the leaves with naked eye - Got a closer view using the hand lens - Identified the diseases: K: Rust	6		

L: Soft rot/Black rot J: Blight Q: Streak (maize) or virus <i>(Award 1 Mark or 0)</i>			
6. Identified plant pests and symptoms of specimen M - Observed the stem of specimen M provided using a hand lens - Looked for the effect of pest (holes on stem, plant debris and marshy stems) and noted them - Inspected the stem for the actual presence of the pest (larval stage or adult stage of the stem borer) - Identified the pest: Stem Bore Stalk Borer <i>(Award 2 Marks or 0)</i>	8		
Sub-Total 3	14		
Post-Practical Procedure			
7. Disposed of the dirt appropriately <i>(Award 1 Mark or 0)</i>	1		
8. Cleaned the apparatus, tools and equipment appropriately <i>(Award 3 Mark or 0)</i>	3		
9. Returned the tools to the rightful place <i>(Award 1 Mark or 0)</i>	1		
10. Handled the tools, equipment, apparatus and supplies properly and with confidence <i>(Award 3 Mark or 0)</i>	3		

Sub-Total 3	8		
GRAND TOTAL	61		
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	
_____		_____	