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**081205T4HNM**

**HORTICULTURE NURSERY MANAGEMENT LEVEL 5**

**HO/OS/NM/CR/03/5**

**Prepare Nursery Planting Media**

**July/August 2025**

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

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# 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:** *Please award marks as appropriate. Give a brief comment on your observation.* | **Marks Available** | **Marks Obtained** | **Comments** |
| **TASK 1: Prepared a soil-less media** | | | |
| 1. Wore personal protective equipment<br>• Gumboots/safety boots<br>• Gloves<br>• Dustcoats/apron<br>• Face shield<br>*(Award 1 mark for each PPE or Zero)* | **4** | | |
| 2. Assembled the tools, equipment and materials to be used in preparation of a planting media.<br>• Coco peat well labelled<br>• Vermiculite well labelled<br>• Perlite well labelled<br>• Hand trowel<br>• Source of heat<br>• Thermometer<br>• Weighing scale<br>• Packaging bag<br>• Tape measure<br>• Labels | **3** | | |

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|---|---|---|---|
| • Hand washing soap<br>• Clean water<br>• Metallic basin<br>• Plastic basin<br>• Stirring rods<br>• Work table<br>• Permanent marker<br>*(Award 3 marks for assembling tools)* | | | |
| 3. Measuring of the soil-less media<br>• Measured using the weighing scale the correct proportions of the soil-less media in the volume ratio of 3 parts coco peat, 1-part perlite, and 1-part vermiculite (3:1:1)<br>*(Award 3 marks or zero)* | **3** | | |
| 4. Mixing and packaging<br>• Mixed the soil-less media thoroughly using the hand trowel<br>• Packaged the planting-media using the polythene bags provided and sealed appropriately.<br>*Award 2 marks for every activity or zero* | **4** | | |
| 5. Labelled the planting media correctly<br>• Names of the mixed components<br>• Date of mixing<br>*Award 1 mark for every correct labeling or zero* | **2** | | |
| | **16** | | |

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| | | | |
|---|---|---|---|
| **Sub-Total** | | | |
| **TASK 2: Conducted heat sterilization on soilless media** | | | |
| 6. Pre-heated the water<br>• Using the provided thermometer measured the temperature at 60°C to 70°C<br>*(Award 3 marks or zero)* | **3** | | |
| 7. Heat sterilized the media<br>• Added the planting media into pre-heated water<br>• monitored the temperature at 60°C to 70°C for 30 minutes.<br>(Monitored the planting media so that it does not lose its traits.)<br>*(Award 2 marks for every activity or zero)* | **4** | | |
| 8. Dried the media<br>• Dry the sterilized media using a sterile gauze<br>• Stored the planting media in a cool dry place.<br>*(Award 1 mark for every activity or zero)* | **2** | | |
| 9. Cleaned all tools and equipment used and stored them appropriately<br>*(Award 2 mark or zero)* | **2** | | |
| 10. Disposed all waste as per the NEMA guidelines and procedures | **2** | | |

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| | | | |
|---|---|---|---|
| (Award 2 mark or zero) | | | |
| 11. Washed the hands thoroughly using the soap provided<br>*(Award 2 mark or zero)* | **2** | | |
| **Sub-Total** | **15** | | |
| **GRAND TOTAL** | **31** | | |

**ASSESSMENT OUTCOME**

The candidate was found to be:

Competent ☐ Not yet Competent ☐

*(Please tick as appropriate)*

*(The candidate is competent if the candidate obtains at least 50%)*

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**Feedback from the Candidate:**

**Feedback to the Candidate:**

**Candidate Signature** **Date:**

_____ _____

**Assessor's Signature** **Date**

_____ _____

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