

Instruction Sheet for the Candidate

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Perform Harvesting
Purpose of Assessment	Formative Assessment
Candidate Details	Name_____ Registration/Roll Number_____
Guidance for Candidate	To meet this standard, you are required to complete the following within time frame (for practical demonstration & assessment): <ol style="list-style-type: none"> 1. Prepare materials for harvesting 2. Record harvest index 3. Perform pre- harvesting steps 4. Perform harvesting
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to : <ol style="list-style-type: none"> 1. Prepare materials for harvesting
Minimum Evidence Required	<ul style="list-style-type: none"> • Select appropriate time for harvesting of produce at its maturity as per recommendation • Identify and arrange required tools and equipment as per the job requirements • Prepare a plan for required task as per the job requirement • Select and use required Personal Protective Equipment (PPE) as per the recommendation 2. Record harvest index • Identify the appropriate time/stage for recording harvest index • Identify the indices to determine the harvest index as per the crop and market recommended standards • Maintain the records • Follow health and safety rules 3. Perform pre- harvesting steps • Identify the pre-harvesting factors (environmental, cultural practices

	<p>and physiological components) affecting post-harvest quality as per market requirement</p> <ul style="list-style-type: none"> • Prepare for harvesting work as per standard requirements • Shift the required tools and equipment for harvesting to the site • Ensure harvesting machinery is working • Monitor the pesticide residue intervals (PRI) before the harvesting time as per the standards of F&V • Arrange required transport for shifting of harvested produce to the market <p>4. Perform harvesting</p> <ul style="list-style-type: none"> • Arrange the tools and equipment required for the harvesting • Harvest the desired economic part of the crop as per the established criteria • Manage the harvested produce to avoid post-harvest losses, as per the requirement • Transfer the harvested crop to the collection site as per the requirements • Clean the tools and equipment and shift to the store as per the SOPs • Ensure health and safety standards throughout the harvesting process • Dispose undesired, diseased plants and weeds from the tunnels/fields after harvesting as per the recommendation • Clean and store the tools after use as per the recommendation
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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Perform Harvesting
Purpose of Assessment	Formative Assessment
Assessment Task	<ol style="list-style-type: none"> 1. Prepare materials for harvesting 2. Record harvest index 3. Perform pre- harvesting steps

	4. Perform harvesting
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I can.....

Performance Criteria	Yes	No
1. Select appropriate time for harvesting of produce at its maturity as per recommendation	<input type="checkbox"/>	<input type="checkbox"/>
2. Identify and arrange required tools and equipment as per the job requirements	<input type="checkbox"/>	<input type="checkbox"/>
3. Prepare a plan for required task as per the job requirement	<input type="checkbox"/>	<input type="checkbox"/>
4. Select and use required Personal Protective Equipment (PPE) as per the recommendation	<input type="checkbox"/>	<input type="checkbox"/>
5. Identify the appropriate time/stage for recording harvest index	<input type="checkbox"/>	<input type="checkbox"/>
6. Identify the indices to determine the harvest index as per the crop and market recommended standards	<input type="checkbox"/>	<input type="checkbox"/>
7. Maintain the records	<input type="checkbox"/>	<input type="checkbox"/>
8. Follow health and safety rules	<input type="checkbox"/>	<input type="checkbox"/>
9. Identify the pre-harvesting factors (environmental, cultural practices and physiological components) affecting post-harvest quality as per market requirement	<input type="checkbox"/>	<input type="checkbox"/>
10. Prepare for harvesting work as per standard requirements	<input type="checkbox"/>	<input type="checkbox"/>
11. Shift the required tools and equipment for harvesting to the site	<input type="checkbox"/>	<input type="checkbox"/>
12. Ensure harvesting machinery is working	<input type="checkbox"/>	<input type="checkbox"/>
13. Monitor the pesticide residue intervals (PRI) before the harvesting time as per the standards of F&V	<input type="checkbox"/>	<input type="checkbox"/>
14. Arrange required transport for shifting of harvested produce to the market	<input type="checkbox"/>	<input type="checkbox"/>
15. Arrange the tools and equipment required for the harvesting	<input type="checkbox"/>	<input type="checkbox"/>
16. Harvest the desired economic part of the crop as per the established criteria	<input type="checkbox"/>	<input type="checkbox"/>
17. Manage the harvested produce to avoid post-harvest losses, as per the requirement	<input type="checkbox"/>	<input type="checkbox"/>
18. Transfer the harvested crop to the collection site as per the requirements	<input type="checkbox"/>	<input type="checkbox"/>
19. Clean the tools and equipment and shift to the store as per	<input type="checkbox"/>	<input type="checkbox"/>

the SOPs		
20. Ensure health and safety standards throughout the harvesting process	<input type="checkbox"/>	<input type="checkbox"/>
21. Dispose undesired, diseased plants and weeds from the tunnels/fields after harvesting as per the recommendation	<input type="checkbox"/>	<input type="checkbox"/>
22. Clean and store the tools after use as per the recommendation	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature_____ Assessor's Signature_____

Date: _____

Assessors Judgment Guide

Qualification	Tunnel Farming, Greenhouse & Agribusiness(Level-5)
Competency Standard	Perform Harvesting
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task		1. Prepare materials for harvesting 2. Record harvest index 3. Perform pre- harvesting steps 4. Perform harvesting		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Select appropriate time for harvesting of produce at its maturity as per recommendation	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Identify and arrange required tools and equipment as per the job requirements	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Prepare a plan for required task as per the job requirement	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Select and use required Personal Protective Equipment (PPE) as per the recommendation	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Identify the appropriate time/stage for recording harvest index	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Identify the indices to determine the harvest index as per the crop and market recommended standards	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Maintain the records	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Follow health and safety rules	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Identify the pre-harvesting factors (environmental, cultural practices and physiological components) affecting post-harvest quality as per market requirement	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Prepare for harvesting work as per standard requirements	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Shift the required tools and equipment for harvesting to the site	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Ensure harvesting machinery is working	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Monitor the pesticide residue intervals (PRI) before the harvesting time as per the	<input type="checkbox"/>	<input type="checkbox"/>	

	standards of F&V			
14.	Arrange required transport for shifting of harvested produce to the market	<input type="text"/>	<input type="text"/>	
15.	Arrange the tools and equipment required for the harvesting	<input type="text"/>	<input type="text"/>	
16.	Harvest the desired economic part of the crop as per the established criteria	<input type="text"/>	<input type="text"/>	
17.	Manage the harvested produce to avoid post-harvest losses, as per the requirement	<input type="text"/>	<input type="text"/>	
18.	Transfer the harvested crop to the collection site as per the requirements	<input type="text"/>	<input type="text"/>	
19.	Clean the tools and equipment and shift to the store as per the SOPs	<input type="text"/>	<input type="text"/>	
20.	Ensure health and safety standards throughout the harvesting process	<input type="text"/>	<input type="text"/>	
21.	Dispose undesired, diseased plants and weeds from the tunnels/fields after harvesting as per the recommendation	<input type="text"/>	<input type="text"/>	
22.	Clean and store the tools after use as per the recommendation	<input type="text"/>	<input type="text"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Tunnel Farming, Greenhouse & Agribusiness(Level-5)
Competency Standard	Perform Harvesting
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	How will you assess the appropriate time for harvesting of the produce?		
2.	Define harvest index. Which indices are used to determine the harvest index?		
3.	Describe the pre-harvest factors affecting the post-harvest quality of the produce?		

4.	Differentiate between the hand harvesting and mechanical harvesting?		
5.	How will you manage the harvested produce to avoid post-harvest losses?		

Feedback to the Candidate	
Candidate's Signature_____	Assessor's Signature _____