

Instruction Sheet for the Candidate

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Manage Soil Nutrients through Manuring
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 for soil nutrient management 2. Organic manuring 3. Inorganic manuring
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to : <ol style="list-style-type: none"> 1. Prepare for soil nutrient management <ul style="list-style-type: none"> • Identify and arrange tools required for manuring • Adopt precautionary measures regarding personnel health and safety as per standards • Prepare work plan for required task 2. Organic manuring <ul style="list-style-type: none"> • Select required organic fertilizers for manuring • Calculate the requirement of selected fertilizer as per standard • Perform application of organic fertilizers as per standards • Perform green manuring operation as per standard methods • Ensure health and safety standards involved in manuring 3. Inorganic manuring <ul style="list-style-type: none"> • Identify and enlist the inorganic fertilizers
Minimum Evidence Required	

	<ul style="list-style-type: none"> • Calculate the amount and type of fertilizer as per recommendation in soil analysis report • Perform the application of fertilizer as per standard requirements • Ensure health and safety standards involved in manuring
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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Manage Soil Nutrients through Manuring
Purpose of Assessment	Formative Assessment
Assessment Task	<ol style="list-style-type: none"> 1. Prepare for soil nutrient management 2. Organic manuring 3. Inorganic manuring

I can.....

Performance Criteria	Yes	No
1. Identify and arrange tools required for manuring	<input type="checkbox"/>	<input type="checkbox"/>
2. Adopt precautionary measures regarding personnel health and safety as per standards	<input type="checkbox"/>	<input type="checkbox"/>
3. Prepare work plan for required task	<input type="checkbox"/>	<input type="checkbox"/>
4. Select required organic fertilizers for manuring	<input type="checkbox"/>	<input type="checkbox"/>
5. Calculate the requirement of selected fertilizer as per standard	<input type="checkbox"/>	<input type="checkbox"/>

6. Perform application of organic fertilizers as per standards	<input type="text"/>	<input type="text"/>
7. Perform green manuring operation as per standard methods	<input type="text"/>	<input type="text"/>
8. Ensure health and safety standards involved in manuring	<input type="text"/>	<input type="text"/>
9. Identify and enlist the inorganic fertilizers	<input type="text"/>	<input type="text"/>
10. Calculate the amount and type of fertilizer as per recommendation in soil analysis report	<input type="text"/>	<input type="text"/>
11. Perform the application of fertilizer as per standard requirements	<input type="text"/>	<input type="text"/>
12. Ensure health and safety standards involved in manuring	<input type="text"/>	<input type="text"/>

Candidate's Signature_____ Assessor's Signature_____

Date: _____

Assessors Judgment Guide

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Manage Soil Nutrients through Manuring
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	<div style="display: flex; justify-content: space-between; align-items: center;"> COMPETENT <input type="checkbox"/> NOT YETCOMPETENT <input type="checkbox"/> </div> 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 for soil nutrient management 2. Organic manuring 3. Inorganic manuring			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Identify and arrange tools required for manuring	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Adopt precautionary measures regarding personnel health and safety as per standards	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Prepare work plan for required task	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Select required organic fertilizers for manuring	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Calculate the requirement of selected fertilizer as per standard	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Perform application of organic fertilizers as per standards	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Perform green manuring operation as per standard methods	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Ensure health and safety standards involved in manuring	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Identify and enlist the inorganic fertilizers	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Calculate the amount and type of fertilizer as per recommendation in soil analysis report	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Perform the application of fertilizer as per standard requirements	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Ensure health and safety standards involved in manuring	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Manage Soil Nutrients through Manuring
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	<div style="display: flex; justify-content: space-around; align-items: center;"> COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> </div> 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.	What is manuring?		
2.	What is organic manuring and explain green manuring?		
3.	What is in-organic manuring?		

4.	Enlist different organic and in-organic manures?		
5.	Enlist different tools required for manuring?		
6.	What is the operating procedure of tools?		
7.	Explain application methods of organic manures?		
8.	Explain application methods of in-organic manures?		

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