

## Instruction Sheet for the Candidate

<b>Qualification</b>	Tunnel Farming, Greenhouse & Agribusiness(Level-5)
<b>Competency Standard</b>	Prepare for Nursery Raising and Site selection Perform seed sowing (Conventional) Perform seed sowing (Modern technique) Perform Nursery Management practices Transport Nursery seedlings Perform Nursery Marketing
<b>Purpose of Assessment</b>	Summative Assessment
<b>Candidate Details</b>	Name_____ Registration/Roll Number_____
<b>Guidance for Candidate</b>	<b>To meet this standard, you are required to complete the following within time frame (for practical demonstration &amp; assessment):</b>  “Perform nursery raising through conventional and modern techniques”
<b>Time: 03 Hrs.</b>	<b>During a practical assessment, under observation by an assessor, you are required to :</b>  <ol style="list-style-type: none"> <li>1. Ensure implements for nursery raising</li> <li>2. Ensure seed for nursery raising</li> <li>3. Perform seed sorting and viability</li> <li>4. Perform seed priming</li> <li>5. Perform seed bed/pots/plug trays preparation</li> <li>6. Perform media preparation</li> <li>7. Perform mulching</li> <li>8. Perform tagging and fencing of nursery site</li> <li>9. Perform seed sowing</li> <li>10. Perform top dressing</li> <li>11. Perform sprinkler irrigation</li> <li>12. Perform nutrient supply</li> <li>13. Perform irrigation after intervals</li> <li>14. Identify and eradicate weeds</li> <li>15. Perform thinning</li> <li>16. Perform hardening</li> </ol>
<b>Minimum Evidence Required</b>	

	17. Perform post management care 18. Perform packaging of nursery 19. Perform marketing
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## Self-Assessment Checklist

<b>Candidate Name</b>	
<b>Registration No.</b>	
<b>Qualification</b>	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
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<b>Purpose of Assessment</b>	Summative Assessment
<b>Assessment Task</b>	Raise a nursery of cucumber through conventional and modern techniques and market it

I can.....

<b>Performance Criteria</b>	<b>Yes</b>	<b>No</b>
1. Prepare work plan for conventional method	<input type="checkbox"/>	<input type="checkbox"/>
2. Arrange implements for cucumber nursery growing	<input type="checkbox"/>	<input type="checkbox"/>
3. Select a suitable portion of land for site selection of nursery	<input type="checkbox"/>	<input type="checkbox"/>
4. Perform soil and water analysis and obtain reports	<input type="checkbox"/>	<input type="checkbox"/>
5. Obtain weather analysis report	<input type="checkbox"/>	<input type="checkbox"/>
6. Select variety and brand of seed	<input type="checkbox"/>	<input type="checkbox"/>

7. Perform seed sorting	<input type="checkbox"/>	<input type="checkbox"/>
8. Check seed viability	<input type="checkbox"/>	<input type="checkbox"/>
9. Perform seed priming	<input type="checkbox"/>	<input type="checkbox"/>
10. Perform seed germination test and calculate germination percentage	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
11. Prepare seed beds	<input type="checkbox"/>	<input type="checkbox"/>
12. Prepare media for seed sowing	<input type="checkbox"/>	<input type="checkbox"/>
13. Prepare a layout plan for seed sowing	<input type="checkbox"/>	<input type="checkbox"/>
14. Perform tagging and fencing of nursery site	<input type="checkbox"/>	<input type="checkbox"/>
15. Perform required seed treatment	<input type="checkbox"/>	<input type="checkbox"/>
16. Draw lines on seed beds and maintain proper spacing	<input type="checkbox"/>	<input type="checkbox"/>
17. Perform seed sowing	<input type="checkbox"/>	<input type="checkbox"/>
18. Perform top dressing	<input type="checkbox"/>	<input type="checkbox"/>
19. Perform sprinkler irrigation	<input type="checkbox"/>	<input type="checkbox"/>
20. Perform sprinkler irrigation	<input type="checkbox"/>	<input type="checkbox"/>
21. Prepare work plan for modern technique	<input type="checkbox"/>	<input type="checkbox"/>
22. Arrange implements for modern technique	<input type="checkbox"/>	<input type="checkbox"/>
23. Arrange potting materials	<input type="checkbox"/>	<input type="checkbox"/>
24. Prepare media	<input type="checkbox"/>	<input type="checkbox"/>
25. Perform media filling and compressing	<input type="checkbox"/>	<input type="checkbox"/>
26. Perform seed sowing	<input type="checkbox"/>	<input type="checkbox"/>
27. Perform top dressing	<input type="checkbox"/>	<input type="checkbox"/>
28. Perform post management care	<input type="checkbox"/>	<input type="checkbox"/>
29. Perform nutrient supply	<input type="checkbox"/>	<input type="checkbox"/>
30. Perform irrigation after intervals	<input type="checkbox"/>	<input type="checkbox"/>
31. Identify and eradicate weeds	<input type="checkbox"/>	<input type="checkbox"/>
32. Perform thinning	<input type="checkbox"/>	<input type="checkbox"/>
33. Perform hardening	<input type="checkbox"/>	<input type="checkbox"/>
34. Perform packaging of nursery	<input type="checkbox"/>	<input type="checkbox"/>
35. Perform covering of vehicle	<input type="checkbox"/>	<input type="checkbox"/>
36. Transport to suitable site to transplant	<input type="checkbox"/>	<input type="checkbox"/>
37. Perform identification of conventional and digital marketing	<input type="checkbox"/>	<input type="checkbox"/>
38. Perform advertisement on print and digital media	<input type="checkbox"/>	<input type="checkbox"/>
39. Calculate sale potential and expenses	<input type="checkbox"/>	<input type="checkbox"/>

40. Perform sale	<input type="text"/>	<input type="text"/>
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Candidate's Signature\_\_\_\_\_ Assessor's Signature\_\_\_\_\_

Date: \_\_\_\_\_

## Assessors Judgment Guide

<b>Qualification</b>	Tunnel Farming, Greenhouse & Agribusiness(Level-5)
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<b>Purpose of Assessment</b>	Summative Assessment
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Signature: _____
<b>Assessment Outcome</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <span><b>COMPETENT</b> <input type="checkbox"/></span> <span><b>NOT YETCOMPETENT</b> <input type="checkbox"/></span> </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

<b>Assessment Task</b>		.Raise a nursery of cucumber through conventional and modern technique and market it		
<b>During the practical assessment, candidate demonstrated the following:</b>		<b>Yes</b>	<b>No</b>	<b>Remarks</b>
1.	Prepare work plan for conventional method	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Arrange implements for cucumber nursery growing	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Select a suitable portion of land for site selection of nursery	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Perform soil and water analysis and obtain reports	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Obtain weather analysis report	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Select variety and brand of seed	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Perform seed sorting	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Check seed viability	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Perform seed priming	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Perform seed germination test and calculate germination percentage	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Prepare seed beds	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Prepare media for seed sowing	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Prepare a layout plan for seed sowing	<input type="checkbox"/>	<input type="checkbox"/>	
14.	Perform tagging and fencing of nursery site	<input type="checkbox"/>	<input type="checkbox"/>	
15.	Perform required seed treatment	<input type="checkbox"/>	<input type="checkbox"/>	
16.	Draw lines on seed beds and maintain proper spacing	<input type="checkbox"/>	<input type="checkbox"/>	
17.	Perform seed sowing	<input type="checkbox"/>	<input type="checkbox"/>	

18.	Perform top dressing	<input type="checkbox"/>	<input type="checkbox"/>	
19.	Perform sprinkler irrigation	<input type="checkbox"/>	<input type="checkbox"/>	
20.	Perform sprinkler irrigation	<input type="checkbox"/>	<input type="checkbox"/>	
21.	Prepare work plan for modern technique	<input type="checkbox"/>	<input type="checkbox"/>	
22.	Arrange implements for modern technique	<input type="checkbox"/>	<input type="checkbox"/>	
23.	Arrange potting materials	<input type="checkbox"/>	<input type="checkbox"/>	
24.	Prepare media	<input type="checkbox"/>	<input type="checkbox"/>	
25.	Perform media filling and compressing	<input type="checkbox"/>	<input type="checkbox"/>	
26.	Perform seed sowing	<input type="checkbox"/>	<input type="checkbox"/>	
27.	Perform top dressing	<input type="checkbox"/>	<input type="checkbox"/>	
28.	Perform post management care	<input type="checkbox"/>	<input type="checkbox"/>	
29.	Perform nutrient supply	<input type="checkbox"/>	<input type="checkbox"/>	
30.	Perform irrigation after intervals	<input type="checkbox"/>	<input type="checkbox"/>	
31.	Identify and eradicate weeds	<input type="checkbox"/>	<input type="checkbox"/>	
32.	Perform thinning	<input type="checkbox"/>	<input type="checkbox"/>	
33.	Perform hardening	<input type="checkbox"/>	<input type="checkbox"/>	
34.	Perform packaging of nursery	<input type="checkbox"/>	<input type="checkbox"/>	
35.	Perform covering of vehicle	<input type="checkbox"/>	<input type="checkbox"/>	
36.	Transport to suitable site to transplant	<input type="checkbox"/>	<input type="checkbox"/>	
37.	Perform identification of conventional and digital marketing	<input type="checkbox"/>	<input type="checkbox"/>	
38.	Perform advertisement on print and digital media	<input type="checkbox"/>	<input type="checkbox"/>	

39.	Calculate sale potential and expenses	<input type="text"/>	<input type="text"/>	
40.	Perform sale	<input type="text"/>	<input type="text"/>	
<b>Competent</b> <input type="checkbox"/>		<b>Not Yet Competent</b> <input type="checkbox"/>		

## Knowledge Assessment

<b>Qualification</b>	Tunnel Farming, Greenhouse & Agribusiness(Level-5)
<b>Competency Standard</b>	Prepare for Nursery Raising and Site selection Perform seed sowing (Conventional) Perform seed sowing (Modern technique) Perform Nursery Management practices Transport Nursery seedlings Perform Nursery Marketing
<b>Purpose of Assessment</b>	Summative Assessment
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
<b>Assessment Outcome</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <span><b>COMPETENT</b> <input type="checkbox"/></span> <span><b>NOT YET COMPETENT</b> <input type="checkbox"/></span> </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.

<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		<b>Satisfactory</b>	<b>Not Satisfactory</b>
1.	Define plant nursery?		



2.	What is the purpose of growing nursery?		
3.	What are the basic conditions for nursery growing?		
4.	How to assess/evaluate the nursery plant health?		
5.	Define seed germination?		
6.	Enlist material required for seed germination?		

7.	Define viable seed?		
8.	Enlist soil borne diseases of seed/seedling?		
9.	What is the purpose of top dressing?		
10	Describe seed sowing?		

11	How to prepare growth media for seed sowing?		
12	What is meant by seed treatment?		
13	Define seed vigour?		
14	What are the practices for nursery management?		
15	How to control pest and diseases in nursery?		
16	Enlist the basic tools required for nursery raising?		

17	What is the procedure for nursery transportation?		
18	What is meant by conventional nursery transportation?		
19	What is the meant by modern nursery transportation?		
20	Enlist steps required for nursery transportation?		
21	Difference between conventional and digital marketing?		

<b>Feedback to the Candidate</b>
<b>Candidate's Signature</b> _____ <b>Assessor's Signature</b> _____