

Instruction Sheet for the Candidate

Qualification	Agricultural Machinery Mechanic (Level-5)
Competency Standard	Operate / Maintain Combine Harvester
Purpose of Assessment	Formative Assessment
Candidate Details	Name _____ Registration/Roll Number _____
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within 03 Hrs. time frame (for practical demonstration & assessment):</p> <ul style="list-style-type: none"> • Inspect General Combine Section • Operate Combine Harvester • Ensure Safe Unloading
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	<p>Inspect General Combine Section</p> <ol style="list-style-type: none"> 1. Check the adjustment of belts 2. Prepare Inspection report 3. Inspect and service Pickup type reel / Bay Type Reel 4. Inspect and service Cutter Bar 5. Inspect and service knife section 6. Inspect and service Guards 7. Inspect and service Ledger plates 8. Inspect and service Wearing plates 9. Inspect and service Pitman Drive assembly 10. Calculate the real index 11. Inspect the Feeding Unit for Grain Losses 12. Inspect components of Threshing Unit for Threshing Efficiency 13. Inspect the components of Separating Unit for Grain Brakeage 14. Inspect the components of Cleaning Unit For Cleaning Efficiency <p>Operate Combine Harvester</p> <ol style="list-style-type: none"> 1. Inspect the control panel Signs, Signal and adjust if required 2. Start the harvester 3. Operate the mechanism / Basic Operation of Combine Harvester 4. Select the threshing drum according to job requirement 5. Adjust the R.P.M of each section

	<ol style="list-style-type: none"> 6. Adjust the height of header 7. Adjust the height of reel (according to crop) <p>Ensure Safe Unloading</p> <ol style="list-style-type: none"> 1. Perform unloading 2. Restore the unloading operation (Grain Auger) 3. Park Combine harvester according to operator manual
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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Agricultural Machinery Mechanic (Level-5)
Competency Standard	Operate / Maintain Combine Harvester
Purpose of Assessment	Formative Assessment
Assessment Task	<ul style="list-style-type: none"> Inspect General Combine Section Operate Combine Harvester Ensure Safe Unloading

I can.....

Performance Criteria	Yes	No
1.	<input type="checkbox"/>	<input type="checkbox"/>
2. Check the adjustment of belts	<input type="checkbox"/>	<input type="checkbox"/>
3. Prepare Inspection report	<input type="checkbox"/>	<input type="checkbox"/>
4. Inspect and service Pickup type reel / Bay Type Real	<input type="checkbox"/>	<input type="checkbox"/>
5. Inspect and service Cutter Bar	<input type="checkbox"/>	<input type="checkbox"/>
6. Inspect and service knife section	<input type="checkbox"/>	<input type="checkbox"/>
7. Inspect and service Guards	<input type="checkbox"/>	<input type="checkbox"/>
8. Inspect and service Ledger plates	<input type="checkbox"/>	<input type="checkbox"/>
9. Inspect and service Wearing plates	<input type="checkbox"/>	<input type="checkbox"/>
10. Inspect and service Pitman Drive assembly	<input type="checkbox"/>	<input type="checkbox"/>
11. Calculate the real index	<input type="checkbox"/>	<input type="checkbox"/>
12. Inspect the Feeding Unit for Grain Losses	<input type="checkbox"/>	<input type="checkbox"/>
13. Inspect components of Threshing Unit for Threshing Efficiency	<input type="checkbox"/>	<input type="checkbox"/>

14. Inspect the components of Separating Unit for Grain Brakeage	<input type="text"/>	<input type="text"/>
15. Inspect the components of Cleaning Unit For Cleaning Efficiency	<input type="text"/>	<input type="text"/>
16. Inspect the control panel Signs, Signal and adjust if required	<input type="text"/>	<input type="text"/>
17. Start the harvester	<input type="text"/>	<input type="text"/>
18. Operate the mechanism / Basic Operation of Combine Harvester	<input type="text"/>	<input type="text"/>
19. Select the threshing drum according to job requirement	<input type="text"/>	<input type="text"/>
20. Adjust the R.P.M of each section	<input type="text"/>	<input type="text"/>
21. Adjust the height of header	<input type="text"/>	<input type="text"/>
22. Adjust the height of reel (according to crop)	<input type="text"/>	<input type="text"/>
23. Perform unloading	<input type="text"/>	<input type="text"/>
24. Restore the unloading operation (Grain Auger)	<input type="text"/>	<input type="text"/>
25. Park Combine harvester according to operator manual	<input type="text"/>	<input type="text"/>

Candidate's Signature_____ Assessor's Signature_____

Date: _____

Assessors Judgment Guide

Qualification	Agricultural Machinery Mechanic (Level-5)
Competency Standard	Operate / Maintain Combine Harvester
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 YET COMPETENT <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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Knowledge Assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Other Requirement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Observation Checklist

Assessment Task		<ul style="list-style-type: none"> Inspect General Combine Section Operate Combine Harvester Ensure Safe Unloading 		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Check the adjustment of belts			
2.	Prepare Inspection report			
3.	Inspect and service Pickup type reel / Bay Type Reel			
4.	Inspect and service Cutter Bar			
5.	Inspect and service knife section			
6.	Inspect and service Guards			
7.	Inspect and service Ledger plates			
8.	Inspect and service Wearing plates			
9.	Inspect and service Pitman Drive assembly			
10.	Calculate the real index			
11.	Inspect the Feeding Unit for Grain Losses			
12.	Inspect components of Threshing Unit for Threshing Efficiency			
13.	Inspect the components of Separating Unit for Grain Brakeage			
14.	Inspect the components of Cleaning Unit For Cleaning Efficiency			
15.	Inspect the control panel Signs, Signal and adjust if required			
16.	Start the harvester			

17.	Operate the mechanism / Basic Operation of Combine Harvester			
18.	Select the threshing drum according to job requirement			
19.	Adjust the R.P.M of each section			
20.	Adjust the height of header			
21.	Adjust the height of reel (according to crop)			
22.	Perform unloading			
23.	Restore the unloading operation (Grain Auger)			
24.	Park Combine harvester according to operator manual			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Agricultural Machinery Mechanic (Level-5)
Competency Standard	Operate / Maintain Combine Harvester
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 does real index mean?		
2.	What is the function of straw walker?		
3.	What grain moisture level is needed for combine operation?		

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