

Instruction Sheet for the Candidate

Qualification	Agriculture Machinery Operator (Level -3)
Competency Standard	<ul style="list-style-type: none"> • Perform Basic Manual Drawing • Construct electrical circuits and test its parameters by using electrical measuring instruments • Perform battery testing and charging operations • Perform Basic Lathe Machine Operations • Maintain Cooling system • Maintain Intake & Exhaust System • Operate Tractor • Operate land preparation implements • Operate sowing and planting implements • Operate Wheat Straw Chopper • Use Computer System • Prepare word document • Prepare spreadsheets • Prepare presentation • Manage E-mail/Internet • Maintain machine documents
Purpose of Assessment	Summative Assessment
Candidate Details	Name _____ Registration/Roll Number _____
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within 05 Hrs. time frame (for practical demonstration & assessment):</p> <p>Conduct 600 hour periodic maintenance of farm tractor along with maintaining log book and email it to record department after field testing with rotavator.</p>
Time: 05 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	<p>Conduct 600 hr periodic maintenance of farm tractor along with maintaining log book and email it to record department after field testing with rotavator.</p> <ol style="list-style-type: none"> 1. Check battery electrodes and adjust the terminal 2. Check electrolyte level and top up. 3. Drain radiator water and clean it 4. Check radiator cap , water level and top up with coolant

	<ol style="list-style-type: none"> 5. Check fan belt tension 6. Drain engine oil and Change engine oil 7. Replace both fuel filters 8. Bleed air from fuel system 9. Replace air filter 10. Clean pre air cleaner 11. Remove Air cleaner and clean it with kerosene oil 12. Wash air cleaner with water 13. Refit with top up oil and change rubber ring 14. Check hose pipe clumps 15. Replace transmission oil 16. Clean hydraulic strainer and Refit 17. Top up transmission oil and fill it according to gauge 18. Greasing of all Greece points 19. Open both front wheel hubs 20. Remove old Greece and clean bearings with kerosene oil 21. Refit bearings with required torque along with grease 22. Replace steering filter and oil 23. Check all nuts and bolts tightness 24. Attach Tractor 3-pont linkage with rotavator 25. Observe field operation of Rotavator 26. Write log book . 27. Compose email ,attach file and send to department.
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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Agricultural Machinery operator(level -3)
Competency Standard	<ul style="list-style-type: none"> • Perform Basic Manual Drawing • Construct electrical circuits and test its parameters by using electrical measuring instruments • Perform battery testing and charging operations • Perform Basic Lathe Machine Operations • Maintain Cooling system • Maintain Intake & Exhaust System • Operate Tractor • Operate land preparation implements • Operate sowing and planting implements • Operate Wheat Straw Chopper • Use Computer System • Prepare word document • Prepare spreadsheets • Prepare presentation • Manage E-mail/Internet • Maintain machine documents
Purpose of Assessment	Summative Assessment
Assessment Task	Conduct 600 hour periodic maintenance of farm tractor along with maintaining log book and email it to record department after field testing with rotavator.

I can.....

Performance Criteria	Yes	No
1. Check battery electrodes and adjust the terminal	<input type="checkbox"/>	<input type="checkbox"/>
2. Check electrolyte level and top up.	<input type="checkbox"/>	<input type="checkbox"/>
3. Drain radiator water and clean it	<input type="checkbox"/>	<input type="checkbox"/>
4. Check radiator cap , water level and top up with coolant	<input type="checkbox"/>	<input type="checkbox"/>
5. Check fan belt tension	<input type="checkbox"/>	<input type="checkbox"/>
6. Drain engine oil and Change engine oil	<input type="checkbox"/>	<input type="checkbox"/>

7. Replace air filter	<input type="checkbox"/>	<input type="checkbox"/>
8. Clean pre air cleaner	<input type="checkbox"/>	<input type="checkbox"/>
9. Remove Air cleaner and clean it with kerosene oil	<input type="checkbox"/>	<input type="checkbox"/>
10. Wash air cleaner with water	<input type="checkbox"/>	<input type="checkbox"/>
11. Refit with top up oil and change rubber ring	<input type="checkbox"/>	<input type="checkbox"/>
12. Check hose pipe clumps	<input type="checkbox"/>	<input type="checkbox"/>
13. Replace transmission oil	<input type="checkbox"/>	<input type="checkbox"/>
14. Clean hydraulic strainer and Refit	<input type="checkbox"/>	<input type="checkbox"/>
15. Top up transmission oil and fill it according to gauge	<input type="checkbox"/>	<input type="checkbox"/>
16. Greasing of all Greece points	<input type="checkbox"/>	<input type="checkbox"/>
17. Open both front wheel hubs	<input type="checkbox"/>	<input type="checkbox"/>
18. Remove old Greece and clean bearings with kerosene oil	<input type="checkbox"/>	<input type="checkbox"/>
19. Refit bearings with proper torque along with greece	<input type="checkbox"/>	<input type="checkbox"/>
20. Check all nuts and bolts tightness	<input type="checkbox"/>	<input type="checkbox"/>
21. Attach Tractor 3-pont linkage with rotavator	<input type="checkbox"/>	<input type="checkbox"/>
22. Observe field operation of Rotavator	<input type="checkbox"/>	<input type="checkbox"/>
23. Write log book .	<input type="checkbox"/>	<input type="checkbox"/>
24. Compose email ,attach file and send to department.	<input type="checkbox"/>	<input type="checkbox"/>
25. Check battery electrodes and adjust the terminal	<input type="checkbox"/>	<input type="checkbox"/>
26. Check electrolyte level and top up.	<input type="checkbox"/>	<input type="checkbox"/>
27. Drain radiator water and clean it	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature_____ Assessor's Signature_____

Date: _____

Assessors Judgment Guide

Qualification	Agriculture Machinery Operator(Level -3)
Competency Standard	<ol style="list-style-type: none"> 1. Perform Basic Manual Drawing 2. Construct electrical circuits and test its parameters by using electrical measuring instruments 3. Perform battery testing and charging operations 4. Perform Basic Lathe Machine Operations 5. Maintain Cooling system 6. Maintain Intake & Exhaust System 7. Operate Tractor 8. Operate land preparation implements 9. Operate sowing and planting implements 10. Operate Wheat Straw Chopper 11. Use Computer System 12. Prepare word document 13. Prepare spreadsheets 14. Prepare presentation 15. Manage E-mail/Internet 16. Maintain machine documents
Purpose of Assessment	Summative 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			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task		Conduct 600 hour periodic maintenance of farm tractor along with maintaining log book and email it to record department after field testing with rotavator.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Check battery electrodes and adjust the terminal			
2.	Check electrolyte level and top up.			
3.	Drain radiator water and clean it			
4.	Check radiator cap , water level and top up with coolant			
5.	Check fan belt tension			
6.	Drain engine oil and Change engine oil			
7.	Replace air filter			
8.	Clean pre air cleaner			
9.	Remove Air cleaner and clean it with kerosene oil			
10.	Wash air cleaner with water			
11.	Refit with top up oil and change rubber ring			
12.	Check hose pipe clumps			
13.	Replace transmission oil			
14.	Clean hydraulic strainer and Refit			
15.	Top up transmission oil and fill it according to gauge			
16.	Greasing of all Greece points			
17.	Open both front wheel hubs			

18.	Remove old Greece and clean bearings with kerosene oil			
19.	Refit bearings with proper torque along with greece			
20.	Check all nuts and bolts tightness			
21.	Attach Tractor 3-pont linkage with rotavator			
22.	Observe field operation of Rotavator			
23.	Write log book .			
24.	Compose email ,attach file and send to department.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Agriculture Machinery Operator
Competency Standard	<ol style="list-style-type: none"> 1. Perform Basic Manual Drawing 2. Construct electrical circuits and test its parameters by using electrical measuring instruments 3. Perform battery testing and charging operations 4. Perform Basic Lathe Machine Operations 5. Maintain Cooling system 6. Maintain Intake & Exhaust System 7. Operate Tractor 8. Operate land preparation implements

	9. Operate sowing and planting implements 10. Operate Wheat Straw Chopper 11. Use Computer System 12. Prepare word document 13. Prepare spreadsheets 14. Prepare presentation 15. Manage E-mail/Internet 16. Maintain machine documents
Purpose of Assessment	Summative 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.	What is the function of thermostat valve?		
2.	Name three primary tillage implements?		
3.	What is the function of pre air cleaner?		

4.	After how many hours air cleaner oil will be replaced?		
5.	What are standard engine RPM for 540 PTO RPM?		

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