

Instruction Sheet for the Candidate

Qualification	Agricultural Machinery Technician (Level-04)
Competency Standard	Perform Shaper, Slotter Machining Operations
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"> • Produce a squared shape work piece • Produce V shaped work piece • Machine the Rack Gear • Machine the slot • Machine the irregular Surfaces • Machine External Keyways • Machine internal Keyways
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	<p>Produce a squared shape work piece</p> <ol style="list-style-type: none"> 1. Identify the safety hazards related the shaping operations in order to avoid injury / accident. 2. Select a point cutting tool and set the machine as per requirements. 3. Mount a cutting tool and the work piece in the machine. 4. Check the quality of the component at suitable intervals. 5. Shut down the machine at safe position after completion of work. <p>Produce V shaped work piece</p> <ol style="list-style-type: none"> 1. Identify the safety hazards related to the shaping operations in order to avoid any injury / accident. 2. Dial the machine vice according to job requirement. 3. Select point cutting tool and set machine according to job requirements. 4. Mount cutting tool and work piece in the machine. 5. Check quality of the component at suitable intervals. 6. Shut down the machine in safe position after finishing the work <p>Machine the Rack Gear</p> <ol style="list-style-type: none"> 1. Identify safety hazards related with shaping operations and take appropriate steps to avoid any injury or accident. 2. Dial the machine vice according to job requirement. 3. Select point cutting tool and set machine according to job requirements. 4. Mount cutting tool and work piece in the machine.

	<ol style="list-style-type: none"> 5. Set the job/Tool Movement According to specified speed 6. Check quality of the component at suitable intervals. 7. Shut down the machine in safe position after finishing the work <p>Machine the slot</p> <ol style="list-style-type: none"> 1. Identify safety hazards related with shaping operations and take appropriate steps to avoid any injury or accident. 2. Dial the machine vice according to job requirement. 3. Select point cutting tool and set machine according to job requirements. 4. Mount cutting tool and work piece in the machine. 5. Check quality of the component at suitable intervals. 6. Shut down the machine in safe position after finishing the work 7. Machine External Keyways <p>Machine the irregular Surfaces</p> <ol style="list-style-type: none"> 1. Identify safety hazards related with shaping operations and take appropriate steps to avoid any injury or accident. 2. Dial the machine vice according to job requirement. 3. Select point cutting tool and set machine according to job requirements. 4. Mount cutting tool and work piece in the machine. 5. Use Different feed and speed of cutting and different points according to given drawing 6. Check quality of the component at suitable intervals. 7. Shut down the machine in safe position after finishing the work <p>Machine External Keyways</p> <ol style="list-style-type: none"> 1. Identify safety hazards related with shaping operations and take appropriate steps to avoid any injury or accident. 2. Dial the machine vice according to job requirement. 3. Select point cutting tool and set machine according to job requirements. 4. Mount cutting tool and work piece in the machine. 5. Check quality of the component at suitable intervals. 6. Shut down the machine in safe position after finishing the work <p>Machine internal Keyways</p> <ol style="list-style-type: none"> 1. Identify safety hazards related with shaping operations and take appropriate steps to avoid any injury or accident. 2. Dial the machine vice according to job requirement. 3. Select point cutting tool and set machine according to job requirements. 4. Mount cutting tool and work piece in the machine. 5. Check quality of the component at suitable intervals. 6. Shut down the machine in safe position after finishing the work
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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Agricultural Machinery Technician (Level-04)
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Assessment Task	<ul style="list-style-type: none"> • Produce a squared shape work piece • Produce V shaped work piece • Machine the Rack Gear • Machine the slot • Machine the irregular Surfaces • Machine External Keyways • Machine internal Keyways

I can.....

Performance Criteria	Yes	No
1. Identify safety hazards related with shaping operations and take appropriate steps to avoid any injury or accident.	<input type="checkbox"/>	<input type="checkbox"/>
2. Dial the machine vice according to job requirement.	<input type="checkbox"/>	<input type="checkbox"/>
3. Select point cutting tool and set machine according to job requirements.	<input type="checkbox"/>	<input type="checkbox"/>
4. Mount cutting tool and work piece in the machine.	<input type="checkbox"/>	<input type="checkbox"/>
5. Set the job/Tool Movement According to specified speed	<input type="checkbox"/>	<input type="checkbox"/>
6. Check quality of the component at suitable intervals.	<input type="checkbox"/>	<input type="checkbox"/>
7. Shut down the machine in safe position after finishing the work	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature_____ Assessor's Signature_____

Date: _____

Assessors Judgment Guide

Qualification	Agricultural Machinery Technician (Level-04)
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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	<ul style="list-style-type: none"> Produce a squared shape work piece Produce V shaped work piece Machine the Rack Gear Machine the slot Machine the irregular Surfaces Machine External Keyways Machine internal Keyways 			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Identify safety hazards related with shaping operations and take appropriate steps to avoid any injury or accident.			
2.	Dial the machine vice according to job requirement.			
3.	Select point cutting tool and set machine according to job requirements.			
4.	Mount cutting tool and work piece in the machine.			
5.	Set the job/Tool Movement According to specified speed			
6.	Check quality of the component at suitable intervals.			
7.	Shut down the machine in safe position after finishing the work			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Agricultural Machinery Technician (Level-04)
Competency Standard	Perform Shaper, Slotter Machining Operations
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.	State any five most important safety hazards		
2.	How the mounting of cutting tool is done		
3.	How can you check the quality of the irregular surfaces components		

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