

Instruction Sheet for the Candidate

Qualification	National Vocational Certificate in Metal Forming & Processing Level 2
Competency Standard	Perform Pre-welding 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 04 Hrs. time frame (for practical demonstration & assessment):</p> <ul style="list-style-type: none"> • Prepare work pieces to be welded • Prepare welding machines and torches • Perform Tacking
Time: 04 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	<p>Prepare work pieces to be welded</p> <ol style="list-style-type: none"> 1. Select Work piece as per drawing 2. Mark layout of job as per drawing 3. Perform pre-cleaning of the work piece 4. Carryout the Straightening of given job as per requirement. 5. Carry out the beveling of given job as per requirement <p>Prepare welding machines and torches</p> <ol style="list-style-type: none"> 1. Interpret welding / engineering drawings 2. Select the welding machine as per job specification 3. Select the welding torch as per job specification 4. Setup the machine for welding as per job requirement 5. Make essential connections for specific welding procedures being undertaken 6. Identify welding consumables as per job requirement 7. Arrange the work piece as per required welding position. 8. Use safety equipment related to specific tasks <p>Perform Tacking</p> <ol style="list-style-type: none"> 1. Interpret dimensional tolerances according to fabrication drawing 2. Assemble and tack weld parts according to fabrication drawing

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	National Vocational Certificate in Metal Forming & Processing Level 2
Competency Standard	Perform Pre-welding operations
Purpose of Assessment	Formative Assessment
Assessment Task	<ul style="list-style-type: none"> • Prepare work pieces to be welded • Prepare welding machines and torches • Perform Tacking

I can.....

Performance Criteria	Yes	No
1. Select Work piece as per drawing	<input type="checkbox"/>	<input type="checkbox"/>
2. Mark layout of job as per drawing	<input type="checkbox"/>	<input type="checkbox"/>
3. Perform pre-cleaning of the work piece	<input type="checkbox"/>	<input type="checkbox"/>
4. Carryout the Straightening of given job as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>
5. Carry out the beveling of given job as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
6. Interpret welding / engineering drawings	<input type="checkbox"/>	<input type="checkbox"/>
7. Select the welding machine as per job specification	<input type="checkbox"/>	<input type="checkbox"/>
8. Select the welding torch as per job specification	<input type="checkbox"/>	<input type="checkbox"/>
9. Setup the machine for welding as per job requirement	<input type="checkbox"/>	<input type="checkbox"/>
10. Make essential connections for specific welding procedures being undertaken	<input type="checkbox"/>	<input type="checkbox"/>
11. Identify welding consumables as per job requirement	<input type="checkbox"/>	<input type="checkbox"/>
12. Arrange the work piece as per required welding position	<input type="checkbox"/>	<input type="checkbox"/>
13. Use safety equipment related to specific tasks	<input type="checkbox"/>	<input type="checkbox"/>
14. Interpret dimensional tolerances according to fabrication drawing	<input type="checkbox"/>	<input type="checkbox"/>
15. Assemble and tack weld parts according to fabrication drawing	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature _____ Assessor's Signature _____

Date: _____

Assessors Judgment Guide

Qualification	National Vocational Certificate in Metal Forming & Processing Level 2
Competency Standard	Perform Pre-welding operations
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"> Prepare work pieces to be welded Prepare welding machines and torches Perform Tacking 		
During the practical assessment, candidate demonstrated the following:	Yes	No	Remarks
1. Select Work piece as per drawing			
2. Mark layout of job as per drawing			
3. Perform pre-cleaning of the work piece			
4. Carryout the Straightening of given job as per requirement.			
5. Carry out the beveling of given job as per requirement			
6. Interpret welding / engineering drawings			
7. Select the welding machine as per job specification			
8. Select the welding torch as per job specification			
9. Setup the machine for welding as per job requirement			
10. Make essential connections for specific welding procedures being undertaken			
11. Identify welding consumables as per job requirement			
12. Arrange the work piece as per required welding position			
13. Use safety equipment related to specific tasks			
14. Interpret dimensional tolerances according to fabrication drawing			
15. Assemble and tack weld parts according to fabrication drawing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>	

Knowledge Assessment

Qualification	National Vocational Certificate in Metal Forming & Processing Level 2
Competency Standard	Perform Pre-welding 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.	Define preheating		
2.	Enlist types of welding		
3.	Identify welding positions of pipe and plate		

4.	Identify welding consumables		
5.	Enlist welding joints		

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