

## Instruction Sheet for the Candidate

<b>Qualification</b>	<b>National Vocational Certificate in Metal Forming &amp; Processing Level 2</b>
<b>Competency Standard</b>	Construct multi-view drawings
<b>Purpose of Assessment</b>	<b>Formative Assessment</b>
<b>Candidate Details</b>	Name _____ Registration/Roll Number _____
<b>Guidance for Candidate</b>	<p><b>To meet this standard, you are required to complete the following within 04 Hrs. time frame (for practical demonstration &amp; assessment):</b></p> <ul style="list-style-type: none"> <li>• CU1 Sketch Orthographic projection in 1st angle of Projection</li> <li>• CU2 Sketch Orthographic projection 3rd angle of Projection</li> <li>• CU3 Sketch Isometric Drawing</li> <li>• CU4 Construct multi view drawing of General Bearing.</li> <li>• CU5. Construct development drawing</li> </ul>
<b>Time: 04 Hrs.</b>	During a practical assessment, under observation by an assessor, you are required to
<b>Minimum Evidence Required</b>	<p><b>CU1 Sketch Orthographic projection in 1st angle of Projection</b></p> <p><b>P1.</b> Prepare Drawing sheet.</p> <p><b>P2.</b> Select the tools.</p> <p><b>P3.</b> Make title bar</p> <p><b>P4.</b> Divide the sheets in equal parts.</p> <p><b>P5.</b> Draw front view, Side View and top View 1<sup>st</sup> angle projection</p> <p><b>CU2 Sketch Orthographic projection 3rd angle of Projection</b></p> <p><b>P1.</b> Prepare Drawing sheet.</p> <p><b>P2.</b> Select the tools.</p> <p><b>P3.</b> Make title bar</p> <p><b>P4.</b> Divide the sheets in equal parts.</p> <p><b>P5.</b> Draw front view, Side View and top View 3<sup>rd</sup> angle projection</p> <p><b>CU3 Sketch Isometric Drawing</b></p> <p><b>P1.</b> Prepare Drawing sheet.</p> <p><b>P2.</b> Select the tools.</p> <p><b>P3.</b> Make title bar</p>

	<p><b>P4.</b> Divide the sheets in equal parts</p> <p><b>P5.</b> Draw the isometric drawing from orthographic view of a part</p> <p><b>CU4 Construct multi view drawing of General Bearing.</b></p> <p><b>P1.</b> Prepare Drawing sheet.</p> <p><b>P2.</b> Select the tools.</p> <p><b>P3.</b> Draw Boundaries lines as per standards.</p> <p><b>P4.</b> Make title bar</p> <p><b>P5.</b> Divide the sheets in equal parts.</p> <p><b>P6.</b> Draw Multiview drawing of general bearing</p> <p><b>CU5. Construct development drawing</b></p> <p><b>P1.</b> Interpret development drawing</p> <p><b>P2.</b> Draw Development drawing of right cone section</p> <p><b>P3.</b> Draw development drawing of truncated cylinder</p>
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## Self-Assessment Checklist

<b>Candidate Name</b>	
<b>Registration No.</b>	
<b>Qualification</b>	<b>National Vocational Certificate in Metal Forming &amp; Processing Level 2</b>
<b>Competency Standard</b>	Construct multi-view drawings
<b>Purpose of Assessment</b>	<b>Formative Assessment</b>
<b>Assessment Task</b>	<ul style="list-style-type: none"> <li>• CU1 Sketch Orthographic projection in 1st angle of Projection</li> <li>• CU2 Sketch Orthographic projection 3rd angle of Projection</li> <li>• CU3 Sketch Isometric Drawing</li> <li>• CU4 Construct multi view drawing of General Bearing.</li> <li>• CU5. Construct development drawing</li> </ul>

I can.....

<b>Performance Criteria</b>	<b>Yes</b>	<b>No</b>
<b>P1.</b> Prepare Drawing sheet.	<input type="checkbox"/>	<input type="checkbox"/>
<b>P2.</b> Select the tools.	<input type="checkbox"/>	<input type="checkbox"/>
<b>P3.</b> Make title bar	<input type="checkbox"/>	<input type="checkbox"/>
<b>P4.</b> Divide the sheets in equal parts.	<input type="checkbox"/>	<input type="checkbox"/>
<b>P5.</b> Draw front view, Side View and top View 3 <sup>rd</sup> angle projection	<input type="checkbox"/>	<input type="checkbox"/>
<b>P6.</b> Prepare Drawing sheet.	<input type="checkbox"/>	<input type="checkbox"/>
<b>P7.</b> Select the tools.	<input type="checkbox"/>	<input type="checkbox"/>
<b>P8.</b> Make title bar	<input type="checkbox"/>	<input type="checkbox"/>
<b>P9.</b> Divide the sheets in equal parts.	<input type="checkbox"/>	<input type="checkbox"/>
<b>P10.</b> Draw front view, Side View and top View 3 <sup>rd</sup> angle projection	<input type="checkbox"/>	<input type="checkbox"/>
<b>P11.</b> Prepare Drawing sheet.	<input type="checkbox"/>	<input type="checkbox"/>
<b>P12.</b> Select the tools.	<input type="checkbox"/>	<input type="checkbox"/>
<b>P13.</b> Make title bar	<input type="checkbox"/>	<input type="checkbox"/>
<b>P14.</b> Divide the sheets in equal parts	<input type="checkbox"/>	<input type="checkbox"/>
<b>P15.</b> Draw the isometric drawing from orthographic view of a part	<input type="checkbox"/>	<input type="checkbox"/>
<b>P16.</b> Prepare Drawing sheet.	<input type="checkbox"/>	<input type="checkbox"/>
<b>P17.</b> Select the tools.	<input type="checkbox"/>	<input type="checkbox"/>
<b>P18.</b> Draw Boundaries lines as per standards.	<input type="checkbox"/>	<input type="checkbox"/>
<b>P19.</b> Make title bar	<input type="checkbox"/>	<input type="checkbox"/>

<b>P20.</b> Divide the sheets in equal parts.	<input type="text"/>	<input type="text"/>
<b>P21.</b> Draw Multiview drawing of general bearing	<input type="text"/>	<input type="text"/>
<b>P22.</b> Interpret development drawing	<input type="text"/>	<input type="text"/>
<b>P23.</b> Draw Development drawing of right cone section	<input type="text"/>	<input type="text"/>
<b>P24.</b> Draw development drawing of truncated cylinder	<input type="text"/>	<input type="text"/>

Candidate's Signature\_\_\_\_\_ Assessor's Signature\_\_\_\_\_

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

## Assessors Judgment Guide

<b>Qualification</b>	<b>National Vocational Certificate in Metal Forming &amp; Processing Level 2</b>
<b>Competency Standard</b>	Construct multi-view drawings
<b>Purpose of Assessment</b>	<b>Formative Assessment</b>
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Signature: _____
<b>Assessment Outcome</b>	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

<b>Assessment Task</b>		<ul style="list-style-type: none"><li>• CU1 Sketch Orthographic projection in 1st angle of Projection</li><li>• CU2 Sketch Orthographic projection 3rd angle of Projection</li><li>• CU3 Sketch Isometric Drawing</li><li>• CU4 Construct multi view drawing of General Bearing.</li><li>• CU5. Construct development drawing</li></ul>		
<b>During the practical assessment, candidate demonstrated the following:</b>		<b>Yes</b>	<b>No</b>	<b>Remarks</b>
1.	Prepare Drawing sheet.			
2.	Select the tools.			
3.	Make title bar			
4.	Divide the sheets in equal parts.			
5.	Draw front view, Side View and top View 3 <sup>rd</sup> angle projection			
6.	Prepare Drawing sheet.			
7.	Select the tools.			
8.	Make title bar			
9.	Divide the sheets in equal parts.			
10.	Draw front view, Side View and top View 3 <sup>rd</sup> angle projection			
11.	Prepare Drawing sheet.			
12.	Select the tools.			
13.	Make title bar			
14.	Divide the sheets in equal parts			
15.	Draw the isometric drawing from orthographic view of a part			
16.	Prepare Drawing sheet.			
17.	Select the tools.			

18.	Draw Boundaries lines as per standards.			
19.	Make title bar			
20.	Divide the sheets in equal parts.			
21.	Draw Multiview drawing of general bearing			
22.	Interpret development drawing			
23.	Draw Development drawing of right cone section			
24.	Draw development drawing of truncated cylinder			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

## Knowledge Assessment

<b>Qualification</b>	<b>National Vocational Certificate in Metal Forming &amp; Processing Level 2</b>
<b>Competency Standard</b>	Construct multi-view drawings
<b>Purpose of Assessment</b>	<b>Formative Assessment</b>
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
<b>Assessment Outcome</b>	<div style="display: flex; justify-content: space-around;"> <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.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Enlist types of orthographic views		
2.	Identify third angle projections		
3.	Define methods of surface development		



4.	Define assembly drawing		
5.	Define general tolerance in drawing		

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