

Assessment Evidence Guide

For

“Assistant Molder”

Level-2

Module name
(Formative Assessment)

8th -12th March 2021



National Vocational & Technical
Training Commission

Title of Qualification: Assistant molder	CS Code:	Level: 2	Version: 01
Competency Standard Title: Perform core making	Assessment Date (DD/MM/YY): Assessment Time: 2 hours		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <p>Assessment Task 1: Candidate is required to: Prepare sand for core making</p> <p>Assessment Task 2: Candidate is required to: Develop round core</p> <p>Assessment Task 3: Candidate is required to: Perform baking of core</p> <p>And complete:</p> <ol style="list-style-type: none"> 1. Knowledge assessment test (Written or Oral) 2. Portfolios at the time of assessment (if any)
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p>Assessment Task 1</p> <ol style="list-style-type: none"> P1. Prepare core sand by using sieve with riddle P2. Add additives and water as per requirements P3. Perform mixing of sand with hand tool or in Muller mixer machine. <p>Assessment Task 2</p> <ol style="list-style-type: none"> P1. Mix riddle sand with molasses as per requirement. P2. Fill split box with core sand. P3. Ram core and do venting. P4. Remove clamp and split core box. <p>Assessment Task 3</p> <ol style="list-style-type: none"> P1. Connect batch type core baking oven with electricity. P2. Set core on core plate and place it oven. P3. Set heating temperature. P4. Draw out core from oven P5. Laminate small parting line for proper finishing

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Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the 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:.....

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							

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Prepare core sand by using sieve with riddle			
2.	Add additives and water as per requirements			
3.	Perform mixing of sand with hand tool or in Muller mixer machine			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 2		Description of assessment task 2		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Mix riddle sand with molasses as per requirement.			
2.	Fill split box with core sand.			
3.	Ram core and do venting.			
4.	Remove clamp and split core box.			
5.	Draw out Green core from core box			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		
Assessment Task 3		Description of assessment task 3		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Connect batch type core baking oven with electricity.			
2.	Set core on core plate and place it oven.			
3.	Set heating temperature.			
4.	Draw out core from oven			
5.	Laminate small parting line for proper finishing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: Assisstant molder	CS Code:	Level:	Version: 01
Competency Standard Title: Perform core making	Assessment Date (DD/MM/YY): Assessment Time: 30 min		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Written Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code: Signature of the Assessor:.....

Title of Qualification: Assistant molder	CS Code:	Level:	Version: 01
Competency Standard Title: Perform core making	Assessment Date (DD/MM/YY): Assessment Time: 30 min		

WRITTEN ASSESSMENT

Question	Candidate's answer
Define Core	A core is a device used in casting and moulding processes to produce internal cavities
Types of core	Cold box. Half core box. Dump core box. Split core box. Left and right core box.
1. What are core and core prints?	<ul style="list-style-type: none"> • Core print is adding projection on pattern and it forms a seat in mold on which sand core rests through pour of mold.
2. What is core binder?	<ul style="list-style-type: none"> • A substance for binding core sand together; an example is core oil.