



# TEAM UP ACADEMY

## CNC Certification Practice Evaluation

Student Name: \_\_\_\_\_

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

Instructor: \_\_\_\_\_

Evaluator Signature: \_\_\_\_\_

### Section 1: Knowledge & Communication (Verbal or Written)

#	Evaluation Criteria	Questions/Tasks	Score (1–5)	Comments
1	Blueprint Reading	Explain how to interpret a basic part print. Identify dimensions, tolerances, and datum features.		
2	Squaring a Block	Describe the steps to square up a raw block on the mill. Include workholding and tool setup.		
3	Tool Touch-Off	Explain how to properly touch off a tool and set tool length offsets.		
4	Work Offsets	Describe the process of picking up a part corner and setting machine zeros (G54).		
5	Inspection Tools	Identify and demonstrate correct use of calipers, height gauges, and micrometers.		
6	Math & Geometry	Solve a right-triangle problem for cutter path or depth calculation.		
7	Materials & Tooling	Name two materials commonly machined and describe appropriate feeds/speeds and tooling for each.		
8	Machine Care	List 3 daily maintenance or housekeeping tasks for CNC machines.		
9	Tolerances & Finish	Given a print, explain how you would ensure a $\pm 0.001$ tolerance and surface finish requirement are met.		

1	Safety	Describe 3 key safety rules for CNC operation
0	Practices	and explain why each is important.

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## Section 2: Hands-On Demonstration

#	Task	Pass/Fail	Instructor Notes
1	Square up a block accurately on a mill.		
2	Properly touch off and set tool length offsets.		
3	Set a work offset using an edge finder.		
4	Measure part dimensions using calipers and micrometers.		
5	Maintain clean, organized work area and follow safety practices.		

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## Section 3: Final Evaluation

Area	Comments	Score
Technical Knowledge		/25
Hands-On Skill		/25
Professionalism & Safety		/10
<b>Total Score</b>		<b>/60</b>

### Instructor Feedback:

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