

Written Assessment Guide
For
“Dies & Mould
Technology”

Level 4
Perform CAD/CAM Operations

1st -5th March 2021



National Vocational & Technical
Training Commission

Title of Qualification: National Vocational Certificate Level 4, (Dies and Mould Technology) "CAD/CAM Supervisor"	CS Code:	Level:4	Version:
Competency Standard Title: Perform CAD/CAM Operations	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 ☐ NOT YET COMPETENT ☐ Name of the Assessor: Assessor's code: Signature of the Assessor:

Title of Qualification: National Vocational Certificate Level 4, (Dies and Mould Technology) "CAD/CAM Supervisor"	CS Code:	Level:4	Version:
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WRITTEN ASSESSMENT

Question	Candidate's answer
1. What is NC program and explain G codes and M codes?	A. NC means numerical control program which contain G codes and M codes G codes abbreviation for geometrical codes and M codes for miscellaneous codes.
2. Explain the difference between Gouges and collision?	A. If tool hit with job during traveling in air from one point to other it is called Gouges If tool holder hit with job during machining it is called collision
3. Where we use align to geometry work plane?	A. We use align to geometry work plane on angle surfaces and make work on done on that angle which on surface
4. What is the Boolean Command and explain its purpose?	A. Boolean command is situated in solid feature it is used for two solid shapes can Add, Subtract, and intersect
5. What is the difference between Surfaces and Solid?	A. Surfaces model has a thin layer and Solid model has thicker and complete solid inside
6. What is the purpose of Rest Machining in roughing strategy?	A. We use Rest Machining command to remove remaining material left by Roughing strategy

Question	Candidate's answer
7. What is the purpose of View Mill Command?	A. View Mill command in power mill we use to watch the simulation of tool path.
8. What is difference between Climb milling and Conventional Milling?	A. When the cutter rotation and job movement is same direction is called climb milling, used for finishing.