

Written Assessment Guide
For
“Dies & Mould
Technology”

Level -5
Design Moulds

1st -5th March 2021



National Vocational & Technical
Training Commission

Title of Qualification: National Vocational Certificate Level 5, in (Dies and Mould Technology) "Associate Engineer"	CS Code:	Level:5	Version:
Competency Standard Title: Design Moulds	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: National Vocational Certificate Level 5, in (Dies and Mould Technology) “Associate Engineer”	CS Code:	Level:5	Version:
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WRITTEN ASSESSMENT

Question	Candidate's answer
1. What is Air Vent?	A. Exhaust passage made in the mold for gas venting.
2. What is the Shrinkage Process?	A. In the Molding process, injected resin into the cavity will be under the holding pressure. This pressure will be shut off when the gate is sealed after that the resin starts to shrink as the temperature goes down.
3. How Parting Line surface is decided?	A. <ul style="list-style-type: none"> ▪ Releasing resistance of the fixed side ▪ To make PL surface simple ▪ To avoid positive appearance ▪ To avoid undercut area ▪ To consider a draft angle ▪ To make design of runner and gate easier
4. What is mold structure?	A. Top Clamping Plate, Cavity Plate, Core Plate, Spacer Block, Ejector Plate, Ejector support plate, Bottom Clamping Plate, Core Insert, Locating Ring, Sprue bushing, Return Pin, Spring (Return Spring), Sprue Lock Pin, Ejector Pin, Guide Pin, Guide Bushing

Question	Candidate's answer
5. Enlist the types of mold guides?	A. <ul style="list-style-type: none"> • Headed Type, • Step Type • Straight Type
6. State the basic types of molds by structure?	A. <ul style="list-style-type: none"> • 2-Plate mold structure • 3- Plate mold structure
7. Enlist the types of plastic?	A. <ul style="list-style-type: none"> • Thermoplastic (can be recycled) • Thermosetting (cannot be recycled)