

Written Assessment Guide
for
“ Dies and Mould
Technology”
Level-3

Perform Advance Milling Operations

1st -5th March 2021



National Vocational & Technical
Training Commission

Title of Qualification: National Vocational Certificate Level 3, in (Dies and Mould Technology) "CNC Machinist"	CS Code:	Level: 3	Version: 01
Competency Standard Title: Perform Advance Milling Operations Identify and Implement Workplace Policies and Procedures Apply work health and safety practices (WHS) Communicate at workplace	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:

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WRITTEN ASSESSMENT

Question	Candidate's answer
1. Enlist three types of indexing?	A. 1. Simple or plain indexing 2. Compound indexing 3. Differential indexing 4. Angular indexing
2. What is indexing in milling machine?	A. An operation of dividing a circular/periphery of a cylindrical into equal number of division.
3. Enlist any three types of gears?	A. 1. Spur gear 2. Helical gear 3. Bevel gear 4. Worm gear 5. Rack gear etc.
4. What is conventional milling operations?	A. In conventional milling operation cutter rotates against the feed.
5. What is the climb milling?	A. In climb milling the cutter rotate in same direction of feed.

Question	Candidate's answer
6. Which type of cutter is suitable for cutting of flat surface of pocket?	A. End mill cutter is used to make flat surface.
7. Which type of cutter is suitable for cutting of curved pocket?	A. Ball nose/Ball Mill
8. Enlist any three types of cutters?	A. 1. End mill cutter 2. Face mill cutter 3. Ball nose cutter 4. Ball mill cutter 5. Shell end mill cutter etc.
9. What is Codes of Practice?	A. Codes of practice are developed by the Commission for Occupational Safety and Health. It includes: • Ethical principles • Workplace behavior • Respect for all people • Values • An honest, unbiased and unprejudiced work environment
10. Write the modes of communication?	A. There are three modes of communication; • Interpersonal • Interpretive • Presentational
11. What is SOP in safety?	A. A standard operating procedure (SOP) is a set of written instructions that describes in detail how to safely perform work involving hazardous materials (biological, chemical, radiological), hazardous equipment or hazardous operations.