

Written Assessment Guide
For
“Dies and Mould
Technology”
Level 2

Perform Shaper and Planar Operations
(Formative Assessment)

1st –5th March 2021



National Vocational & Technical
Training Commission

Title of Qualification: National Vocational Certificate Level 2, in (Dies and Mould Technology) "Machinist"	CS Code:	Level: 2	Version: 01
Competency Standard Title: Perform Shaper and Planar Operations Maintain Personal Health, hygiene and safety Perform Basic Communication skills Perform Calculations and Estimation for Mechanical Work Carryout General Maintenance	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:

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WRITTEN ASSESSMENT

Question	Candidate's answer
1. Enlist any 3 main parts of Shaper	A. Base, column, table, Ram, feed change mechanism, quick return mechanism, cross rail, tool post, etc.
2. State types of shaper machine	A. Single RAM shaper and double RAM shaper
3. Enlist any 3 main parts of Planer	A. Bed, platen, column, cross rail, tool head, driving and feed mechanism, etc.
4. What is the difference between Shaper and Planer?	A. In Shaper Ram reciprocate against fixed job and in Planer job reciprocate on platen against fixed tool.
5. State different Single point cutting tools used in Shaper and Planer	A. Left hand tool, Right hand tool, Grooving tool, Slotting tool, etc.
6. State limitations of Shaper and Planer machines	A. Shaper machines are used for small jobs, slotting and grooving, etc. however, Planner is used for heavier/bigger jobs
7. Enlist non –verbal communication techniques?	A. <ul style="list-style-type: none"> • Tone of voice • Body language

Question	Candidate's answer
8. What is the basic concept communication?	A. The basic concept of communication is the process of sending and receiving messages or transferring information from one part (sender) to another (receiver).
9. Enlist any three PPPs?	A. Following are important PPPs: <ol style="list-style-type: none"> 1. Safety gloves 2. Safety goggles 3. Helmets 4. Safety shoes etc
10. What are basic mathematical skills?	A. Addition and subtraction