

071506T4MTP

MECHANICAL TECHNICIAN LEVEL 6

ENG/OS/ME/CR/2/06/A

Fabricate Sheet Metal Parts

Nov/Dec 2024



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

PRACT**MENT****OBSERVATIO****T CHECKLIST**

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	Marks Available	Marks Obtained	Comments
OBSERVATION CHECKLIST			
1. Wore prescribed personal safety gear as per workplace procedures • Safety boots • Safety hand gloves • Overall/Apron	4		

Safety goggles (Award 1 mark for each correct PPE worn)			
2. Prepared operation plan as per the work drawing (Award $\frac{1}{2}$ mark for each operation and $\frac{1}{2}$ mark for correct tools used as per the Appendix 2 attached on the assessor tool)	7		
3. Inspected and filled in the “candidates inspection checklist” Appendix 1 on the candidate tool (Award $\frac{1}{2}$ marks for each identified measurement on appendix 1 attached on the candidate tool)	8		
4. Performed housekeeping: - Cleaned the tools and equipm - Cleaned the work area - Retuned the tools and their accessories used in their designated areas - Segregated and disposed Waste as per work place procedures. (Award 1 marks for each observation or 0)			
SUB TOTAL	23		
PRODUCT CHECK LIST			
5. Produced components as per the drawing specifications All dimensions are in mm Tolerance ± 2			

a) Dimension Linear • 270 (2×1) 2 • 170 (2×1) 2 • 70 (2×1) 2 • 80 (2×2) 4 • 50 (2×2) 4 • 40 (2×2) 4 • 15 (2×2) 4 • 10 (2×2) 4 • 5 (2×2) 4 • Ø 6 (6 OFF) (½ ×6) 3 • Ø 3 (8 OFF) (½ ×8) 4 <i>(Award full marks or zero)</i>			
6. Appearance • Finishing of the edges -hems • Bends • Joints <i>(Award 2 marks each)</i>	6		
7. Alignment <i>(Award 2 marks for the correct alignment)</i>	2		
8. Functionality <i>(Award 3 marks or zero)</i>	3		
9. Quality of joints • Uniform brazing (2×2) 4 • Well riveted (2×2) 4 • No incomplete fusion at joints 2 <i>(Award full marks or zero)</i>			

SUB TOTAL	58		
GRAND TOTAL	81		
Candidate Overall Score = $\frac{x}{81} \times 100\%$			
ASSESSMENT OUTCOME			
The candidate was found to be: Competent ☐ Not yet Competent ☐ <i>(Please tick as appropriate)</i> <i>(The candidate is competent if the candidate obtains at least 50%)</i>			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature		Date:	
_____		_____	
Assessor's Signature		Date	
_____		_____	

Appendix 2

Operation Plan

Serial No.	OPERATION	TOOLS AND EQUIPMENT USED
1.	Measuring and marking the work piece	Vernier calipers, steel rule, try square, scriber,
2.	Holding the work piece	Bench vice
3.	Bending	Bending machine,
4.	Drilling	Drill bits, drilling machine
5.	Shearing	Shearing machine,
6.	Cutting	Guillotine machine, chisel, assorted files
7.	Finishing and inspection	Try square

THIS IS THE LAST PRINTED PAGE.