

073106T4LAS

LAND SURVEY AND MAPPING LEVEL 6

LSM/OS/LS/CR/03/6/A

Conduct Cadastral Survey

July/August 2025



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

PRACTICE ASSESSMENT

INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

OBSERVATION 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
TASK 1:			
1. Identified and used PPEs appropriately. • Apron /Dust coat • Boots/Closed shoes (Award marks as indicated =2 marks)	1 1		
Sub-Total 1	2		
TASK 2:			
2. Set out points A, B, C, D, E and F • Correctly selected a suitable site. • Marked points A, B, C, D, E and F on the ground. • Correctly measured distances between the points (Award marks as indicated =14 marks)	2 6 6		
Sub-Total 2	14		
TASK 3:			
3. Picked coordinates of A, B, C, D, E and F • Correctly configured the Handheld GPS receiver; • Correctly measured and recorded the coordinates of the six points.	2 12		

TASK 4:			
4. Computed area ABCDEFA using coordinates method • <i>Correctly arranged and computed the independent coordinates in form of a determinant (Award 1 mark for each station correctly tabulated)</i> • <i>Accurately computed the area of the polygon to any preferred unit.</i> (Award marks as indicated = 8 marks)	6		
Sub -Total 4	8		
TASK 5:			
5. Imported coordinates to ArcGIS/AutoCAD software • <i>Correctly launched excel worksheet</i> • <i>Accurately transferred the coordinates to the worksheet</i> • <i>Correctly saved the worksheet in .csv extension or any other applicable format.</i>	1 1 1		

6. Plotted parcel ABCDEFA and drew a line along EB			
• <i>Accurately plotted polygon ABCDEFA</i> • <i>Correctly captured line EB</i>	2		
<i>(Award marks as indicated = 3 marks)</i>	1		
Sub- Total 6	3		
TASK 7:			
7. Plotted the 6 metre road subdividing parcel ABCDEFA along EB			
• <i>Correctly plotted the road along EB</i> • <i>Accurately captured the 6M width of the road on the right side of EB</i>	2		
<i>(Award marks as indicated = 4 marks)</i>	2		
Sub- Total 7	4		
TASK 8:			
8. Prepared a cadastral plan			
• <i>Accurately prepared a cadastral pl</i> ▪ <i>Correct choice of scale</i> ▪ <i>Accuracy and neatness of plotting</i> ▪ <i>Coordinates list</i> ▪ <i>Grid lines</i> ▪ <i>Correct labelling</i> • <i>Exported and printed the plan on an A4 piece of paper</i> ▪ <i>Exported in a PDF format</i> ▪ <i>Printed the document</i>	1		
	2		
	1		
	1		
	2		
	1		
	1		
<i>(Award marks as indicated = 9 marks)</i>			
Sub- Total 8	9		
GRAND TOTAL	60		
ASSESSMENT OUTCOME			
The candidate was found to be:			

Competent ☐ Not yet competent ☐	
<i>(Please tick as appropriate)</i> <i>(The candidate is competent if s/he gets at least 50%)</i>	
Feedback from Candidate:	
Feedback to Candidate:	
Candidate's Signature _____	Date _____
Assessor's Signature _____	Date _____