

073106T4LAS

LAND SURVEY AND MAPPING LEVEL 6

LSM/OS/LS/CR/01/6/A

Conduct Topographical 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			
Assessor's 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 <i>(Award 1 mark for each PPE)</i>	2		
Sub-Total 1			
TASK 2:			
2. Set out a rectangular plot • Correctly set out a rectangular plot of 40 m by 30 m on the ground. <i>(Award 2 marks for each side correctly set out = 4 marks)</i>	4		
Sub-Total 2	4		
TASK 3:			
3. Sectioned the plot into square grids of 10 m by 10 m. • Correctly sectioned the plot into square grids of 10 m by 10 m. <i>(Award 1 mark for each</i>	12		

<i>correctly set out square grid)</i> <i>Pegged and labeled the intersections correctly.</i> <i>(Award ½ mark for each correctly pegged and labelled intersection)</i> <i>(Award marks as guided =20 marks)</i>	8		
Sub-Total 3	20		
TASK 4:			
4. Established a Temporary Bench mark (TBM) <i>Established a temporary benchmark (TBM) near the site and marked it with a peg.</i> <i>Indicated a Reduced Level of 1000.00 m on the TBM.</i> <i>(Award marks as indicated =3 marks)</i>	2		
Sub- Total 4	3		
TASK 5:			
5. Levels taken at each grid intersection booking them in the field note. <i>Set up a levelling instrument correctly at a suitable location and levelled the spirit bubbles correctly.</i> <i>Made observations correctly</i> <i>(Award ½ mark for each observation correctly made)</i> <i>Used correct booking format</i> <i>(Award marks as indicated = 15 marks)</i>	3 10 2		
Sub-Total 5	15		

<i>reduced level and 3 marks for correct arithmetic checks)</i> <i>(Award marks as indicated = 15 marks)</i>			
Sub-Total 6	15		
TASK 7:			
7. Constructed the square grids at a suitable scale indicating the reduced level at each intersection point. • <i>Accurately constructed and labelled the grids.</i> • <i>Correct choice of scale</i> • <i>Neatness</i> • <i>Completeness</i> <i>(Award 1mark for <50% 2marks for 50-75% 3 marks for >75%)</i> <i>(Award marks as indicated = 9 marks)</i>	4 1 1 3		
Sub-Total 7	9		
TASK 8:			
8. Interpolated at least two contours. • <i>Correct choice of the contour interval.</i> • <i>Correctly interpolated at least two</i>	2 4		

<i>contours.</i> • <i>Neatness</i> <i>(Award marks as indicated = 7 marks)</i>	1		
Sub-Total 8	7		
GRAND TOTAL	75		
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		te	
_____		_____	
Assessor's Signature		Date	
_____		_____	