

073106T4LAS

LAND SURVEY LEVEL 6

LSM/OS/LS/CR/02/6/A

Conduct Engineering Survey

Nov/Dec 2024



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

PRACTICE ASSESSMENT

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 for each item evaluated. Give a brief comment on your observation</i>	Marks available	Marks obtained	Comments
1. Identified and used PPEs appropriately - Dust coat/Reflector/Apron - Safety boots/Closed shoes (Award marks as indicated=2 marks)	1 1		
Sub-total 1	2		

Task 1: Chose a suitable site and did a reconnaissance of the area			
2. Assessed the topography of the area and removed the obstacles.	2		
3. Set out a line T1T2 measuring 24m	2		
4. Pegged out point A mid-way between T1T2 (Award marks as indicated=6 marks)	2		
Sub-total 2	6		
Task 2: Set out triangle			
5. Erected perpendicular at A measuring 16m	2		
6. Set out IT1 measuring 20m	2		
7. Set out IT2 measuring 20m (Award marks as indicated=6 marks)	2		
Sub -total 3	6		
Task 3: Computed setting out data			
8. Deduced the deflection angle	4		
9. Deduced the radius of the curve	4		
10. Correctly positioned and pegged the centre of the curve O	4		
11. Computed the setting out data(offsets) from the tangents (Award marks as indicated=20 marks)	8		
Sub-total 4	20		
Task 4: Set out the curve and plotted it			
12. Set out the curve using perpendicular offset from the tangent at an interval of 5m			
13. Drew the curve and included Correct map elements	8		
• Title			
• Choice of scale	1		
• Neatness	2		

• Accuracy of plotting (Award marks as indicated=16 marks)	2 3		
Sub-total 5	16		
TOTAL	50		
ASSESSMENT OUTCOME			
The candidate was found to be: Competent ☐ Not yet Competent ☐ (Please tick as appropriate) (The candidate is competent if the candidate obtains at least 50%)			
Feedback from candidate:			
Feedback to candidate:			
Candidate Signature		Date:	
_____		_____	
Assessor's Signature		Date	
_____		_____	