

**073206T4BLD**

**BUILDING TECHNICIAN LEVEL 6**

**CON/OS/BUT/CR/02/6**

**Execute Site Preliminary Works**

**July/August 2025**



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

**PRACTICAL ASSESSMENT**

**INSTRUCTIONS TO THE 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

<b>Candidate's Name &amp; Registration Code</b>			
<b>Assessor's Name &amp; Registration Code</b>			
<b>Venue of Assessment</b>			
<b>Date of Assessment</b>			
<b>Items to be Evaluated:</b> <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	<b>Marks Available</b>	<b>Marks Obtained</b>	<b>Comments</b>
<b>TASK 1 : LEVEL FOR CONTOUR MAPPING ON A 10M X 10M PLOT WITH A GRID SIZE OF 2M X 2M</b>			
1. Wore Personal Protective Equipment in line with the task to be conducted. <ul style="list-style-type: none"> <li>Safety boot.</li> <li>Dust coat/Overall</li> </ul> <i>(Award 1 mark for each PPE donned as per workplace procedures)</i>	<b>2</b>		
2. Marked a square grid and grid sizes as per instructions <i>(Award 1 mark for correct side of the square)</i>	<b>4</b>		
3. Chose a fixed, stable point on-site and established an arbitrary benchmark. <i>(Award 2 marks for correct execution of task)</i>	<b>2</b>		

<p>4. Set up the tripod stand</p> <ul style="list-style-type: none"> <li>• convenient height at eye level</li> <li>• centered hole of the mounting plate is plumb above the benchmark</li> </ul> <p><i>(Award 2 marks for correct execution of each task)</i></p>	<b>4</b>		
<p>5. Drove the tripod legs into the ground using the brackets on the sides of each leg</p> <p><i>(Award 2 marks for correct execution of task)</i></p>	<b>2</b>		
<p>6. Mounted the level on the tripod and screwed it in place with the mounting knob</p> <p><i>(award 1 mark for correct executing of task)</i></p>	<b>1</b>	<a href="http://easyvet.com">easyvet.com</a>	
<p>7. Leveled the level by adjusting the tripod legs.</p> <p><i>(award 2 marks for correct executing of task)</i></p>	<b>2</b>		
<p>8. adjusted the small site (vertical plummet) found on the bottom of the level over the benchmark</p> <p><i>(Award 1 mark for correct executing of task)</i></p>	<b>1</b>		
<p>9. Turned the telescope so that it lies parallel in plan with a line of two-foot screws.</p>	<b>1</b>		

<i>(Award 1 mark for correct execution of task)</i>			
10. Turned the two-foot screws simultaneously so that one screw travel clockwise and the other anticlockwise <i>(Award 1 mark for correct execution of task)</i>	<b>1</b>		
11. Turned the third foot screw until the bubble is brought to the center of the tube <i>(Award 1 mark for correct execution of task)</i>	<b>1</b>		
12. Focused the telescope eyepiece so that the crosshairs appear sharply in focus. <i>(Award 1 mark for correct execution of task)</i>	<b>1</b>		
13. Focused the telescope with the focusing knob until a clean sharp image of a levelling staff is seen simultaneously. <i>(Award 1 mark for correct execution of task)</i>	<b>1</b>		
14. The helper held the levelling staff vertically on each grid point. <i>(Award 2 marks for correct execution of task)</i>	<b>2</b>		
15. Read and recorded the staff reading in a field book.	<b>9</b>		

<i>(Award 1 mark for each correct staff reading)</i>			
<b>Sub-Total 1</b>	<b>34</b>		
<b>TASK 2: ON GRAPH PAPER DRAW AND LABEL ANY 4 CONTOUR LINES</b>			
16. Calculated reduced levels using the height of instrument method <i>(Award 1 mark for each correctly reduced level)</i>	<b>9</b>		
17. Plotted the grid on graph paper to scale. <i>(Award 2 marks for correct execution of task)</i>	<b>2</b>		
18. Marked the reduced levels at each grid point. <i>(Award 2 marks for correct execution of task)</i>	<b>2</b>		
19. Interpolated the reduced levels to estimate where contours fall. <i>(Award 1 mark for each correct interpolation)</i>	<b>9</b>		
20. Drew two smooth curves joining points of equal elevation. <i>(Award 2 marks for correct contour)</i>	<b>4</b>		
21. Clearly labeled each contour line. <i>(Award 2 marks for correct labelling of task)</i>	<b>2</b>		
<b>Sub-Total 2</b>	<b>28</b>		
<b>PRODUCT CHECKLIST</b>			
<b>A WELL PLOTTED CONTOUR GRID</b>			

	<b>Marks Available</b>	<b>Marks Obtained</b>	<b>Comments</b>
Correctly calculated reduced levels	<b>10</b>		
Contour level of 1m	<b>2</b>		
Scale 1:20	<b>2</b>		
Title	<b>2</b>		
Neatness	<b>2</b>		
Labelled reduced level for each grid	<b>8</b>		
Four labeled contours	<b>4</b>		
<b>Sub-Total 3</b>	<b>30</b>		
<b>GRAND TOTAL</b>	<b>92</b>		
<b>ASSESSMENT OUTCOME</b>			
<p>The candidate was found to be:</p> <p style="text-align: center;">                     Competent <input type="checkbox"/>                     Not yet Competent <input type="checkbox"/> </p> <p><i>(Please tick as appropriate)</i></p> <p><i>(The candidate is competent if the candidate obtains at least 50%)</i></p>			
<b>Feedback from the Candidate:</b>			
<b>Feedback to the Candidate:</b>			
<b>Candidate Signature</b>		<b>Date:</b>	
_____		_____	
<b>Assessor's Signature</b>		<b>Date</b>	
_____		_____	