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**073105T4LAS**

**LAND SURVEY AND MAPPING LEVEL 5**

**LSM/OS/LM/CR/02/5/A**

**Conduct Engineering Survey**

**Nov/Dec 2024**

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

**PRACT MENT**

**OBSER CKLIST**

| | | | |
|---|---|---|---|
| **Candidate's Name & Registration Code** | | | |
| **Assessors Name & Registration Code** | | | |
| **Venue of Assessment** | | | |
| **Date of Assessment** | | | |
| **Items to be Evaluated:** *Please award marks as appropriate. Give a brief comment on your observation.* | **Marks Available** | **Marks Obtained** | **Comments** |
| **TASK 1:** | | | |
| 1. Identified and used PPEs appropriately.<br>• *Apron/dust coat;*<br>• *Boots/Closed shoes.*<br>*(Award 1 mark each)* | **2** | | |
| **Sub-Total 1** | **2** | | |

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| **TASK 2:** | | | |
| 2. Selected a suitable site and tools.<br>• *Correctly selected a suitable site ;*<br>• *Correctly identified the equipment to be used.*<br>*(Award marks as indicated = 4 marks)* | **2**<br>**2** | | |
| **Sub-Total 2** | **4** | | |
| **TASK 3:** | | | |
| 3. Interpreted the given drawing.<br>• *Correctly interpreted figure 1;*<br>• *Correctly marked line $T_1T_2$;*<br>• *Correctly identified point A.*<br>*(Award marks as indicated = 6* | **2**<br>**2**<br>**2** | | |
| **Sub-Total 3** | **6** | | |
| **TASK 4:** | | | |
| 4. Set out $IT_1$ and $IT_2$.<br>• *Correctly set out lines $IT_1$ and $IT_2$ to intersect at I using a tape;*<br>• *Correctly confirmed the distance AI (16 m).*<br>*(Award marks as indicated = 5 marks)* | **2**<br>**3** | | |
| **Sub-Total 4** | **5** | | |
| **TASK 5:** | | | |
| 5. Computed deflection angle and radius.<br>• *Applied the correct formula;*<br>• *Correctly computed the deflection angle;*<br>• *Correctly computed the radius.*<br>*(Award marks as indicated = 10 marks)* | **2**<br>**4**<br>**4** | | |
| **Sub-Total 5** | **10** | | |

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| **TASK 6:** | | | |
| 6. Set out the curve.<br>• *Correctly computed the offsets using the correct formula (offsets from long chord formula);*<br>*(Award 2 marks for each correct offset computed).*<br>• *Correctly set out the offsets on the ground.*<br>*(Award 2 marks for each offset correctly set out on the ground).*<br>*(Award marks as indicated = 16 marks)* | **8**<br><br>**8** | | |
| **Sub-Total 6** | **16** | | |
| **TASK 7:** | | | |
| 7. Plotted the curve.<br>• Correct choice of scale;<br>• Neatness;<br>• Completeness.<br>*(Award 1 mark for <50%*<br>*2marks for 50-75%*<br>*3 marks for >75%)*<br>*(Award marks as indicated = 7 marks)* | **2**<br>**2**<br>**3** | | |
| **Sub-Total 7** | **7** | | |
| **GRAND 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 the Candidate:** | |
| **Feedback to the Candidate:** | |
| **Candidate Signature**<br>_____ | **Date:**<br>_____ |
| **Assessor's Signature**<br>_____ | **Date**<br>_____ |