

S073206T4CEN

CIVIL ENGINEERING TECHNICIAN LEVEL 6

CON/OS/CET/CR/01/6A

Conduct Material Testing

Nov/Dec 2024



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

PRACTICE **ENTRY**

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. Adhered to prescribed safety as per workplace procedures and OSHA Student wore PPE • Overall <i>(Award 1 mark for worn overall or zero)</i>	1		

• Safety boots <i>(Award 1 mark for worn Safety boots or zero)</i>	1		
• Gloves <i>(Award 1 mark for worn Gloves or Zero)</i>	1		
2. Observed environmental safety • Safe use of tools and equipment <i>(Award 1 mark or zero)</i>	1		
i. Selected the required tools • Slump cone <i>(Award 1 mark)</i>			
• Tamping rod <i>(Award 1 mark)</i>			
• Base plate <i>(Award 1 mark)</i>	1		
ii. Proper use of tools. • Slump cone <i>(Award 1 mark)</i>	1		
• Tamping rod <i>(Award 1 mark)</i>	1		
• Base plate <i>(Award 1 mark)</i>	1		
3. Carried out batching according to the ratio • Cement <i>(Award 2 marks)</i>	2		
• Sand <i>(Award 2 marks)</i>	2		
• Ballast	2		

(Award 2 marks)			
4. Carried out dry mixing of aggregates (Award 3 marks)	3		
5. Carried out wet mixing of aggregate (Award 3 marks)	3		
6. Achieved consistent mix (Award 3 marks)	3		
Sub-Total 1	25		
TASK 2:			
7. Correct setup of slump apparatus (Award 2 marks)			
8. Filled the slump cone in three layers tamped 25 times with the rod. (Award 3 marks for each layer filled 3x3)			
9. Properly removed the slump cone (Award 2 marks)	2		
10. Measured the height of the slump (Award 3 marks)	3		
11. Interpreted the slump achieved correctly • True slump (Award 4marks or zero)	4		
Sub-Total 2	20		
GRAND TOTAL	45		
ASSESSMENT OUTCOME			

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

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