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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)

PRACTICAL ASSESSMENT

OBSERVATION CHECKLIST

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

• Safety boots *(Award 1 mark for worn Safety boots or zero)* • Gloves *(Award 1 mark for worn Gloves or Zero)*	1 1		
2. Observed environmental safety • Safe use of tools and equipment *(Award 1 mark or zero)*	 1		
i. Selected the required tools • Slump cone *(Award 1 mark)* • Tamping rod *(Award 1 mark)* • Base plate *(Award 1 mark)* ii. Proper use of tools. • Slump cone *(Award 1 mark)* • Tamping rod *(Award 1 mark)* • Base plate *(Award 1 mark)*	 1 1 1 1 1 1		
3. Carried out batching according to the ratio • Cement *(Award 2 marks)* • Sand *(Award 2 marks)* • Ballast	 2 2 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)*	2		
8. Filled the slump cone in three layers, each tamped 25 times with the rod. *(Award 3 marks for each layer filled 3x3)*	9		
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 ☐ *(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 **Date:** _____ _____
Assessor's Signature **Date** _____ _____

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