

073206T4CEN

CIVIL ENGINEERING TECHNICIAN-LEVEL 6

ENG/OS/CET/CR/01/6/A

CONDUCT MATERIAL TESTING

JULY /AUGUST 2023



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL**

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PRACTICAL

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INSTRUCTIONS TO THE ASSESSOR

1. The candidate is required to perform the following tasks;
2. You are required to mark the practical as the candidate performs 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.

This paper consists of FIVE (5) printed pages.

OBSERVATION CHECKLIST			
Candidate's name			
Registration No.			
Assessor's name & Reg. code			
Unit of Competency			
Venue of Assessment			
Date of assessment			
Award Marks as per the guidelines provided. Give a brief comment where less marks are awarded.			
Items to be evaluated	Marks Allocated	Marks Awarded	Comments
1. Adhered to prescribed safety as per w procedures and OSHA Student wore PPE • Overall • Googles • Gloves • Safety boots (Award 1 mark or zero)	1		
2. Assembled the required tools, equipment, and materials. i. Spade ii. Tamping rods iii. Cube molds iv. Cube molds 15cm x 15cm x 15cm (Award ½ marks, for each item identified)	2		

3. Batched the ingredients in the ratio 1: 2:4 correctly <i>(award 2 marks, and zero if not)</i>	2		
4. Mixed the batched materials correctly to obtain M10 grade. <i>(award 3 marks, and zero if not)</i>	3		
5. Oiled the mold and poured the concrete in three layers, and tamped each layer using the rod. <i>(award 2 marks for oiling, 4 marks for tamping and zero if not)</i>	6		
6. Leveled the top, to remove excess concrete on the frustum. <i>(award 1 marks, and zero if not)</i>	1		
7. Prepared a comprehensive report bas procedures. (Summary of materials, tools, procedures used).	6		
8. Cared and maintained used tools and equipment based on manufacturers manual and workplace place policy <i>(Award 2 marks or zero)</i>	2		
9. Cleaned working environment and disposed the waste as per OSHA policies <i>(Award 2 marks or zero for cleaned work environment after completed work)</i>	2		
SUB TOTAL	25		
PRODUCT CHECKLIST			
10. DIMENSIONS (±2mm) 150 X 150 X 150mm	6		

(Award 2 marks for each cube molded or zero)			
11. Appearance (Award max 3 marks)	3		
12. Shape (Award max 3 marks)	3		
13. Texture (Award max 3 marks)	3		
SUB TOTAL	15		
TOTAL	40		

The candidate was found to be: Compete Not yet competent ☐

(Please tick as appropriate)

(The candidate is c e gets 50% and above)

Feedback from candidate:

Feedback to candidate:

Candidate's signature:	Date:	
Assessor's signature:	Date:	