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073206T4CEN

CIVIL ENGINEERING LEVEL 6

CON/OS/CET/CR/05/6/A

Design Engineering Structures

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. Wore PPEs • Overall *(Award 1 mark for worn overall or zero)* • safety books *(Award 1 mark for worn overall or zero)*	1 1		

2. Collected all necessary tools • Bar bender *(Award 1 mark or zero)* • Hacksaw *(Award 1 mark or zero)* • Tape measure *(Award 1 mark or zero)* • Binding wire tightening tool *(Award 1 mark or zero)*	1 1 1 1		
3. Collected all necessary materials • D 8 *(Award 1 mark or zero)* • D 10 *(Award 2 mark or zero)* • Binding Wire *(Award 1 mark or zero)*	1 2 1		
Sub-Total 1	**10**		
TASK 2:			
1. Interpreted the drawing as shown in figure 1 *(Award 5 marks for interpretation)*	5		
2. Measured the reinforcement bars as shown in the figure • D 8 • 200 mm x 4 *(Award 4 marks or zero)* • D 10	4		

• 400mm x 4 *(Award 4 marks or zero)* • 650 mm x 8 *(Award 8 marks or zero)*	4 8		
3. Cut reinforcement bars • D 8 *(Award 4 marks or zero)* • D 10 *(Award 4 marks or zero)*	 4 4		
4. Bent of reinforcement bars • D 8 Two Rings 90^0 *(Award 4 marks for each correct bend 4x2 = 8 or zero)* Two Ring hooks *(Award 2 marks for each hook 2x2=4 or zero)* • D 10 Hooks at distribution bars *(Award 2 marks at each bar 4x2=8 or zero)* Column starter *(Award 1marks at each bar 4x1=4 or zero)*	 8 4 8 4		
5. Fix of reinforcement bars • Rings *(Award 2 marks for each 2x2=4 or zero)* • Distribution bars *(Award 1 marks for each bar 1 x8=8 or zero)* • Binding *(award 4 mark for correct use of*	 4 8		

binding wire or zero)	4		
6. Shape • 90-degree foundation corners *(Award 1 marks for squared corners 1 x 4 or zero)*	4		
7. General Finish: • Appearance *(Award 2 marks)*	2		
8. Completed Project; *(Award 5 for marks for* 100% complete, *3 marks* 75% for*)*	5		
Sub-Total 2	**80**		
GRAND TOTAL	**90**		

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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