

073206T4CEN

CIVIL ENGINEERING LEVEL 6

CON/OS/CET/CR/03/6/A

Design Basic Pavement Structures

March/April 2025



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

PRACTICAL ASSESSMENT

INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform 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

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: Assembled Timber Pieces on The Block Board That Serves as A Subgrade.			
1. Wore PPE (Overall, Safety boots, Gloves) <i>(Award 3 marks or zero)</i>	3		
2. Observed environmental safety Safe use of tools and equipment <ul style="list-style-type: none"> • Hammer <i>(Award 1 mark or zero)</i> • Stamper <i>(Award 1 mark or zero)</i> 	1 1		
3. Assembled timber pieces on the block board <i>(Award 2 marks for each side 2x4=8 marks)</i>	8		
Sub-Total 1	10		
TASK 2: Lay And Compact Sub base, Base And Surfacing			
4. Sub base <ul style="list-style-type: none"> • Weighed 80 kg gravel. <i>(Award 1 mark or zero)</i> • Laid and spread gravel on the 	1		

subgrade <i>(Award 2 marks or zero)</i>	2		
<ul style="list-style-type: none"> Watered the sub base <i>(Award 2 marks or zero)</i> 	2		
<ul style="list-style-type: none"> Compacted the sub base using a stamper <i>(Award 2 marks or zero)</i> 	2		
5. Base			
<ul style="list-style-type: none"> Weighed 40 kg gravel. <i>(Award 1 mark or zero)</i> 	1		
<ul style="list-style-type: none"> Laid and spread gravel on the sub base <i>(Award 2 marks or zero)</i> 	2		
<ul style="list-style-type: none"> Mixed gravel with lime while watering <i>(Award 4 marks or zero)</i> 	4		
<ul style="list-style-type: none"> Compacted the base using a stamper <i>(Award 2 marks or zero)</i> 	2		
6. Surfacing			
<ul style="list-style-type: none"> Weighed 40 kg AC <i>(Award 1 mark or zero)</i> 	1		
<ul style="list-style-type: none"> Laid and spread AC on the base <i>(Award 2 marks or zero)</i> 	1		
<ul style="list-style-type: none"> Compacted the surfacing using a stamper <i>(Award 2 marks or zero)</i> 	2		
Sub-Total 2	20		
TASK 3: Mark 25mm (Width) Doted Center Line and Continuous Edge Lines On The Surfacing			

7. Road marking			
i. Center line			
• Marked dotted center line <i>(Award 2 marks or zero)</i>	2		
• Marked yellow center line <i>(Award 1 mark or zero)</i>	1		
• Marked 25mm thick line <i>(Award 2 marks or zero)</i>	2		
ii. Edge line			
• Marked continuous edge line <i>(Award 2 marks for each side or zero, 2x2=4 marks)</i>	4		
• Marked white edge line <i>(Award 1 mark for each side or zero 1x2=2 marks)</i>	2		
• Marked 25mm thick line <i>(Award 2 marks for each side or zero, 2x2=4 marks)</i>	4		
Sub-Total 3	15		
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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