071306T4EIN

Electrical Installation Level 6

ENG/OS/EIT/CR/05/6/A

Perform commissioning of electrical systems.

July/August 2023

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

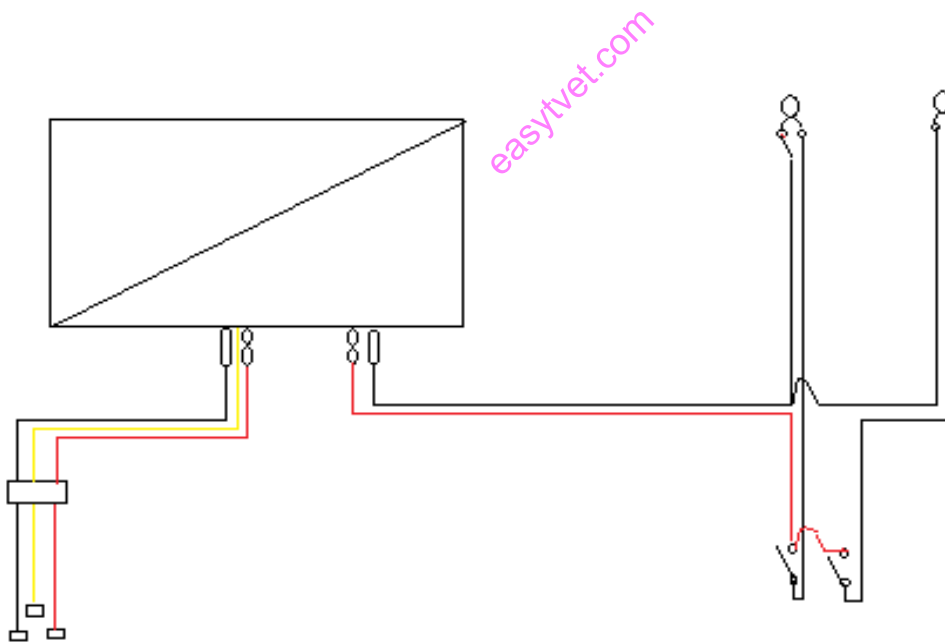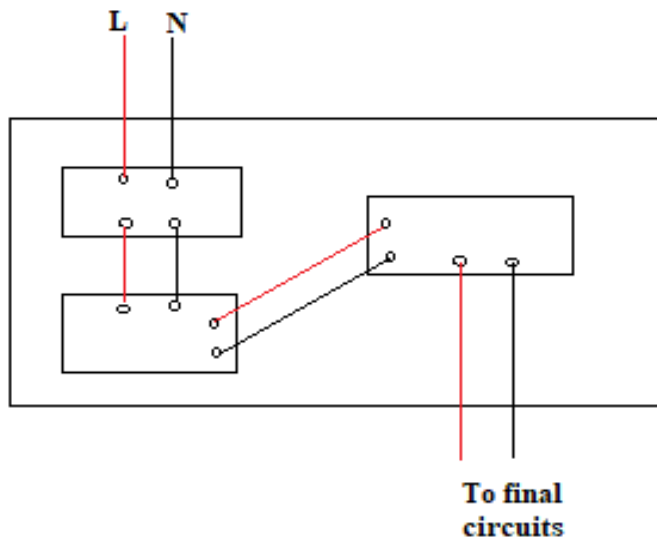**OBSERVATION CHECKLIST**

INSTRUCTIONS TO THE ASSESSOR

1. You are required to mark the practical as the candidate perform the tasks.

2. You are required to take video clips at critical points.

3. Ensure the candidate has a name tag and registration code at the back and front.

OBSERVATION CHECKLIST

Candidate's name & Registration No.			
Assessor's name & Reg. code			
Unit(s) of Competency			
Venue of Assessment			
Date of assessment			
Items to be evaluated: *(Award appropriate marks for each item evaluated)*	**Marks available**	**Marks obtained**	**Comments**
OBSERVATION CHECKLIST			

1. Wore safety clothing
 	
     i.   Safety boots (*Award* 1 *or* 0)
 	
     ii.   Dust coat   (*Award* 1 *or* 0)
	1
	
	 1		

2. handled tools Properly (*Award* 2 *or* 0)	2		
3. Observed color code (*Award* 1 *or* 0)	1		
Sub total	**5**		
TASK 1			
4. Dimensioned accurately $\pm 2mm$ (*Award any* 4)	4		
5. Fixed components (firm and level) (*Award any* ½ X 4)	2		

6. Fixed cables (straight and flat on surface)
     i.   Vertical (*Award any* ½ x 2)
 	
     ii.   Horizontal (*Award any* ½ x 2)
    iii.   Correctly terminated *(Award any ½ x 4)*
	1
	
	 1
	
	 2		

7. Distribution of cable clips;
  i. Uniform and equally distributed.
      (Award 1 or 0)
	1		

ii. Facing one side. *(Award 2 or 0)*	2		
8. Components on the same level. *(Award ½ x 4)*	2		
Sub total	**15**		
TASK 2			

9. Performed the following test before commissioning.
  i.   Continuity test
  ii.   Polarity test
    Award 2 marks each or 0)
	2
	2		

10. Correct circuit operation *(Award 3 marks or 0)*	3		
Sub total	**7**		
TASK 3			

11. Prepared a handover report;
  i.   Information related to scope
        (Award 4 or 0)
  ii.   Timelines   *(Award 4 or 0)*
  iii.   Budget   *(Award 4 or 0)*
  iv.   Challenges   *(Award 4 or 0)*
  v.   Deliverables   *(Award 4 or 0)*
	4
	4
	4
	4
	4		

Sub total	**20**		
TASK 4			
12. Drew wiring diagram as per layout diagram i. Correct sequence. *(Award 5 or 0)*	5 2		

ii. Colour coding. *(Award 2 or 0)*			
Sub total	**7**		
TASK 5			
13. Conducted end user training;(assess orally) i. User trained on the operation and functioning of the system. *(Award 5 or 0)* ii. User trained on routine checks as per the user manuals. *(Award 5 or 0)*	**5** **5**		
Sub total	**10**		
GRAND TOTAL	**64**		
$$\frac{x}{64} \times 100$$			
The candidate was found to be: (Please tick (√) as appropriate			
Competent ☐		Not yet competent ☐	
(The candidate is competent if s/he gets scores 50% of marks with items)			
Feedback from candidate:			
Feedback to candidate:			
Candidate's signature:	*Date*		
Assessor's signature:	*Date*		

WIRING DIAGRAMS

To final circuits

THIS IS THE LAST PRINTED PAGE.