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

Qualification Code   :   071606T4MCT

Qualification   :   Mechatronic Technician Level 6

Unit Code   :   ENG/OS/MC/CC/05/6/A

Unit of Competency :   Operate Mechatronic Systems

PRACTICAL ASSESSMENT

INSTRUCTIONS TO THE ASSESSOR

1. You are required to mark the practical as the candidate perform the tasks.
2. You are required to take photos and/or 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	**Operate Mechatronic Systems**
Venue of Assessment	
Date of assessment	

(Indicate the marks available and marks obtained respectively. Award marks appropriately as guided for in the items for evaluation indicated. Give a brief comment where necessary)

Items to be evaluated:	Marks Allocated	Marks Obtained	Comments
1. Observed occupational health and safety *(Have PPEs)*	**1**		
2. Powered PLC correctly a) Live correctly placed b) Neutral correctly placed c) Earth correctly placed *(Award 1 Mark for each correct or 0)*	**3**		
3. Connected push buttons correctly a) Switch 1 b) Switch 2 *(Award 1 Mark for each correct or 0)*	**2**		
4. Connected Lamps correctly c) Lamps 1 d) Lamps 2 *(Award 1 Mark for each correct or 0)*	**2**		
5. Wrote the program well *(Award 2 Mark for each correct or 0)*	**2**		
6. Compiled the program successfully *(Award 1 Mark for each correct or 0)*	**1**		
7. Uploaded the program successfully *(Award 3 Mark for each correct or 0)*	**3**		
8. Put on the system correctly	**2**		

(Award 2 Mark for each correct or 0)			
9. Generated square wave of 3s on lamp 1	**2**		
10. Light lamp 3 after 10 counts	**2**		
TOTAL	**20**		

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

(Please tick as appropriate)

(The candidate is competent if s/he gets 15 marks (50%) of the 30 marks on the observation and product checklist

Feedback from candidate:

Feedback to candidate:

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

Expected stress – strain curve