071305T4EOP

ELECTRICAL OPERATION (POWER OPTION) LEVEL 5

ENG/OS/PO/CR/07/5

Perform Electrical System Breakdown Maintenance

July/August 2025

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

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CUTTING LIST

S/NO	ITEMS	QUANTITY (per candidate)	PROVIDED BY
1.	1.5mm^2 PVC sheathed cable	4m	Institution
2.	2.5mm^2 PVC sheathed cable	3m	
3.	Deep patress boxes	4	
4.	2-way switches	2	
5.	intermediate switch	1	
6.	Lamp holders	3	
7.	Lighting bulbs	3	
8.	Socket outlets	3	
9.	4-way Consumer control unit	1	
10.	Junction box	3	
11.	6/10A Single pole Circuit breaker	1	

12.	20/32A Single pole Circuit breaker	1	
13.	Installation board 1m x 1m x 3cm	1	
14.	19 x 25 mm screw (enough)		
15.	Measuring tape	1	Candidate
16.	Pliers	1	
17.	Ball-pein hammer	1	
18.	Spirit level	1	
19.	Stripping knife	1	
20.	Side cutter	1	
21.	Screw driver (flat and star)	1	
22.	Multimeter	1	
23.	Phase tester	1	

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INSTRUCTIONS TO THE INSTITUTION

1. Figure 1 shows an electrical installation layout diagram. Pre-install the circuit as per the layout diagram before the assessment

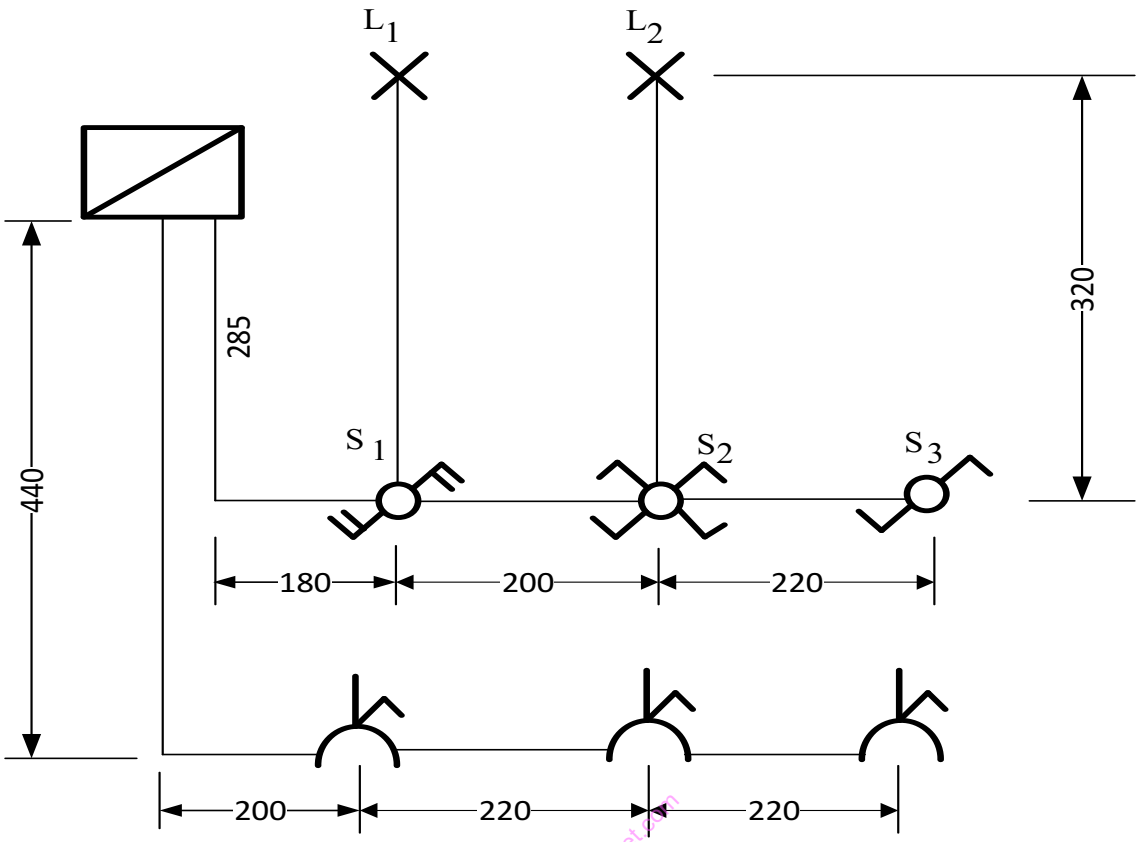


Figure 1

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ELECTRICAL OPERATION (POWER OPTION) LEVEL 5

ENG/OS/PO/CC/04/5

Prepare and Interpret Technical Drawings

July/August 2025

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

CUTTING LIST

S/NO	ITEMS	QUANTITY (per candidate)	PROVIDED BY
1.	Computer with CAD software installed	1	Institution
2.	Printing papers size A4	2 sheets	
3.	Drawing paper size A2	2 sheets	
4.	Drawing room		
5.	Masking tape	shared	
6.	Printer	shared	
7.	*Drawing board*	1	Candidate
8.	*T-square*	1	
9.	*HB and 2H/3H/4H Pencils*	1	
10.	*Set squares (30^0 and 60^0)*	1	
11.	*30 cm ruler*	1	
12.	*Eraser*	1	
13.	*Sharpener*	1	
14.	*Engineering drawing set*	1	

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