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071305T4EOP

ELECTRICAL OPERATION (POWER OPTION) LEVEL 5

ENG/OS/PO/CR/01/5/A

Perform Electrical Installation

Nov/Dec 2024

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

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PRACTICAL ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATES

i. You are required to have personal protective equipment for the practical assessment
ii. You are required to perform the following task
iii. You are allocated Three Hours to carry out the given practical tasks
iv. Do not write on the question paper
v. Return this paper to assessor at the end of assessment

TASK 1

Sketch a circuit diagram of the layout such that:

i. Switch S_1 is the master switch
ii. Lamps L_1 and L_2, are controlled by switches S_2 and S_3
iii. Lamp L_3 is controlled by switch S_4
iv. Socket 1 and 2 are connected in ring, while socket 3 is the spur

TASK 2

Draw the wiring diagrams

TASK 3

Carry out the installation for the correct operation of both lighting and power circuits, using PVC heavy gauge conduits and in line with IEE regulation.

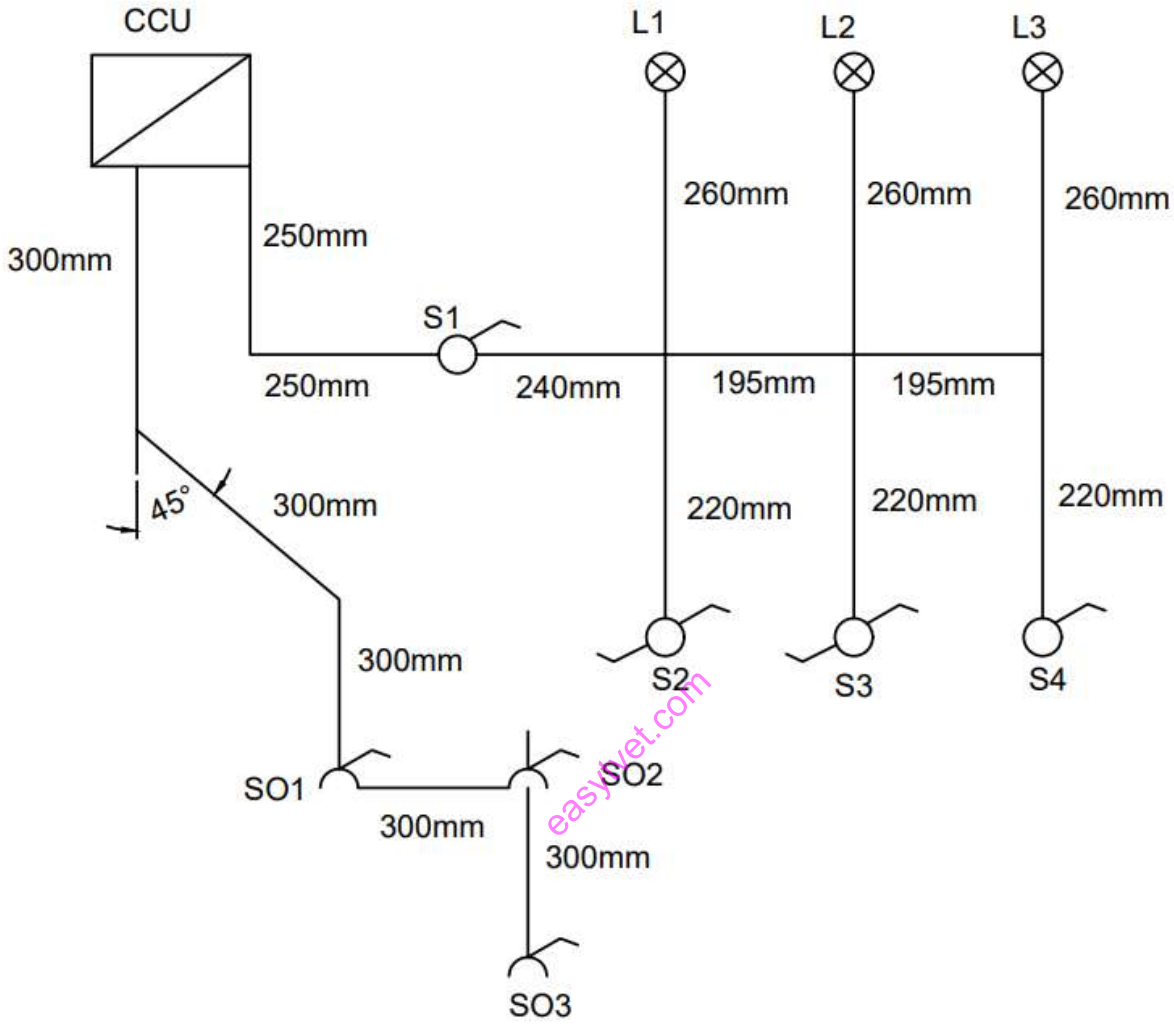
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TASK 4

Carry out the insulation resistance test, polarity test, earthing and continuity test.

TASK 5

Power the installed system for correct functionality



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