Section B -Answer ALL SIX questions. All question carry equal marks.

All questions in Section B (21-26) refer to Fig. 1.

Fig. I shows the layout of the electrical installation in a detached garage. The owners have, for some time been using it for a business venture repairing lawnmowers (hand, electric and petrol driven). Heating is provided by two 2 kW convector heaters plugged in when needed. The three way metalclad consumer unit houses a double pole main switch and BS 3871 type 2 m.c.b.'s. All surface wiring is multi-core p. v.c./p. v.c. non-armoured cable clipped direct, and all socket outlets (these have been raised from their original position to bench level) and lighting switches are manufactured from moulded plastic. A ***periodic*** inspection and test of this installation is to be carried out.

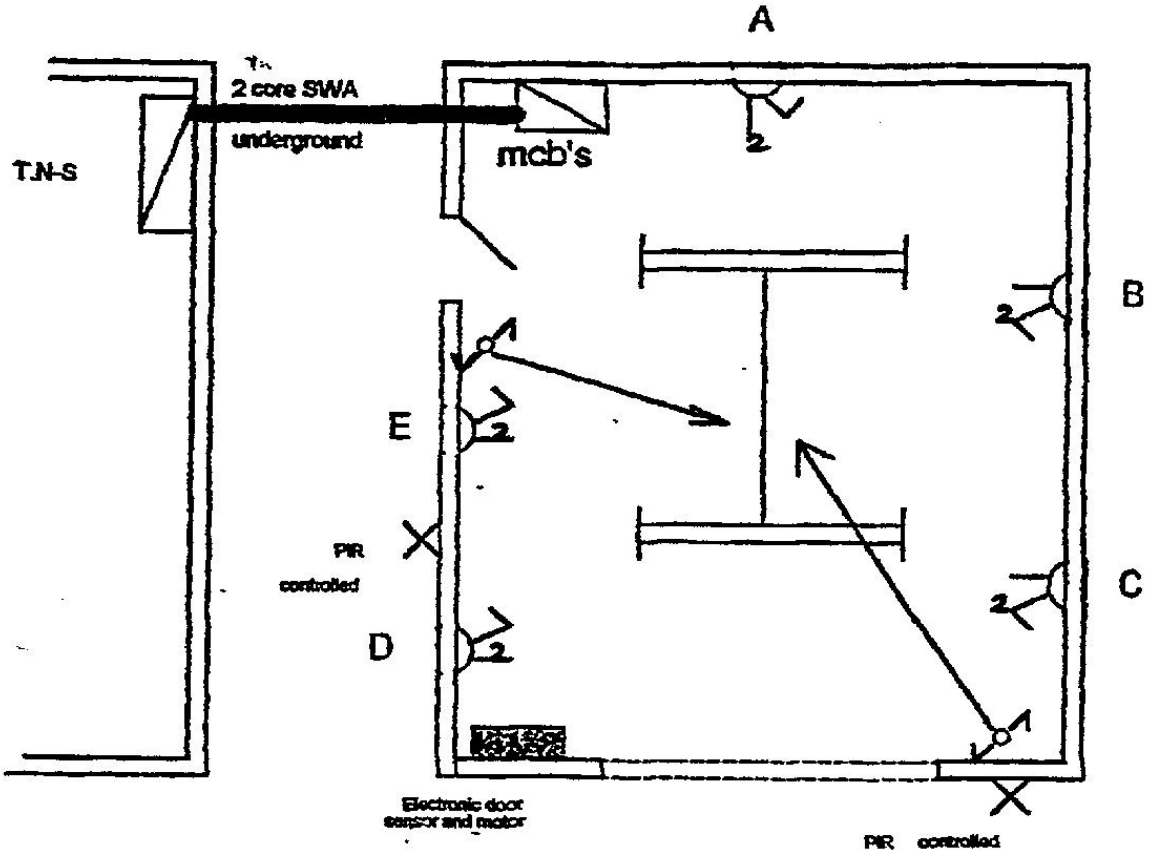

FIG. 1

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