

EXAMINATION: AUTHORISATION A

September 2017

Practical Test

Time Allowed - 1Hr

Name & Surname \_\_\_\_\_  
(In Block letters)

Index No. \_\_\_\_\_

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The diagram below shows a typical installation for a small flat. Study the diagram well and then answer the following questions.

- a. Divide the installation into a suitable number of circuits. Show your design on a suitable schematic drawing which should indicate clearly: **(20 marks)**
  - i. Each accessory clearly numbered
  - ii. All cable sizes
  - iii. All fuse sizes
  - iv. Earthing system
  - v. Consumer Unit Layout
  
- b. If the flat is to be wired with PVC single core cables run in concealed plastic conduit, show on the diagram below the proposed runs of the conduit. **(10 marks)**
  
- c. Show on a suitable diagram how the conduit is terminated on the roof of the flat for a lighting fitting installed on the ceiling. Show also the ceiling-rose and the suspended lighting fitting. **(10 marks)**

**END OF PAPER**

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