

# EXAMINATION: AUTHORISATION A

May 2015

Practical Test

Time Allowed - 1Hr

Name & Surname \_\_\_\_\_ Index No. \_\_\_\_\_  
(In Block letters)

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- a. Draw wiring diagrams showing the connections, polarity, colour, size of cables and protective device ratings required for the following circuits.
- i. One Ring Circuit for a Kitchen with 4 twin 13Amp socket outlets. (6 marks)
  - ii. One cooker unit circuit for a 3.5kW cooker. (6 marks)
  - iii. One lighting circuit consisting of 3 lighting points controlled from two separate positions. (6 marks)
  - iv. A circuit to control an air conditioning unit rated at 3.5kW. (6 marks)
- b. Draw a suitable Consumer Unit Layout for the above installation showing the MCB, Main Switch, RCD and any other protection that may be required. (10 marks)
- c. Show how the installation will be connected to the earth electrode and state the size of cable used. (6 marks)

**Note:**

1. All diagrams must be neat, clear and fully labelled.

**END OF PAPER**

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