

PLEASE WRITE YOUR ANSWERS AND DRAWINGS HERE



GOVERNMENT OF MALTA  
MINISTRY FOR EDUCATION, SPORT, YOUTH  
RESEARCH AND INNOVATION  
DEPARTMENT OF EXAMINATIONS

## EXAMINATION: AUTHORISATION A

September 2022

**Practical Test**

**Time Allowed – 1½ Hr**

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

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

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1. The diagram below shows a typical installation for a 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:
- i. each accessory clearly numbered
  - ii. all cable sizes
  - iii. ll 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 conduit.
- c. Prepare a detailed Bill of Quantities showing the amount and size of each item of material required to complete the installation.

**(Total 40 marks)**

